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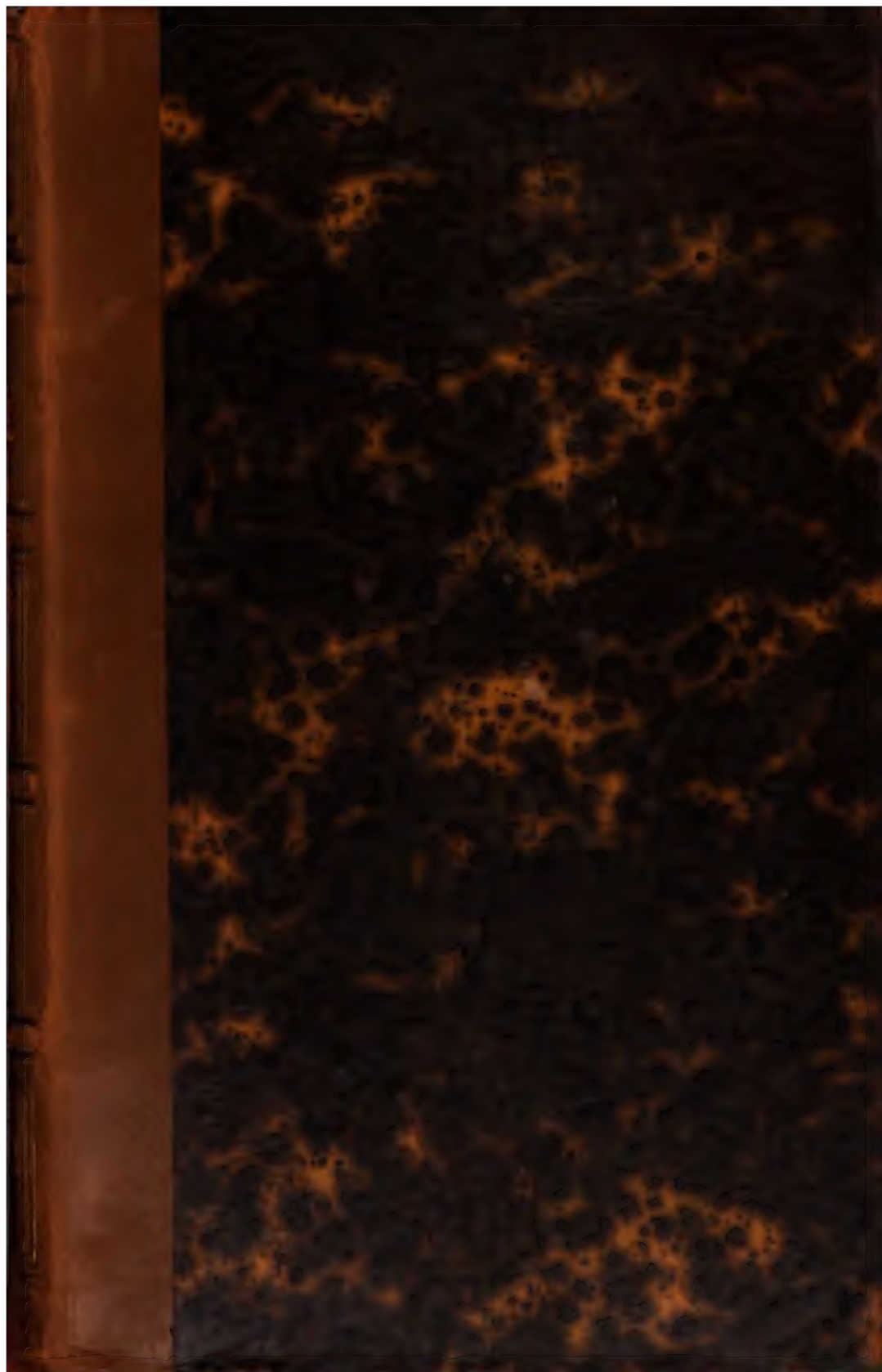
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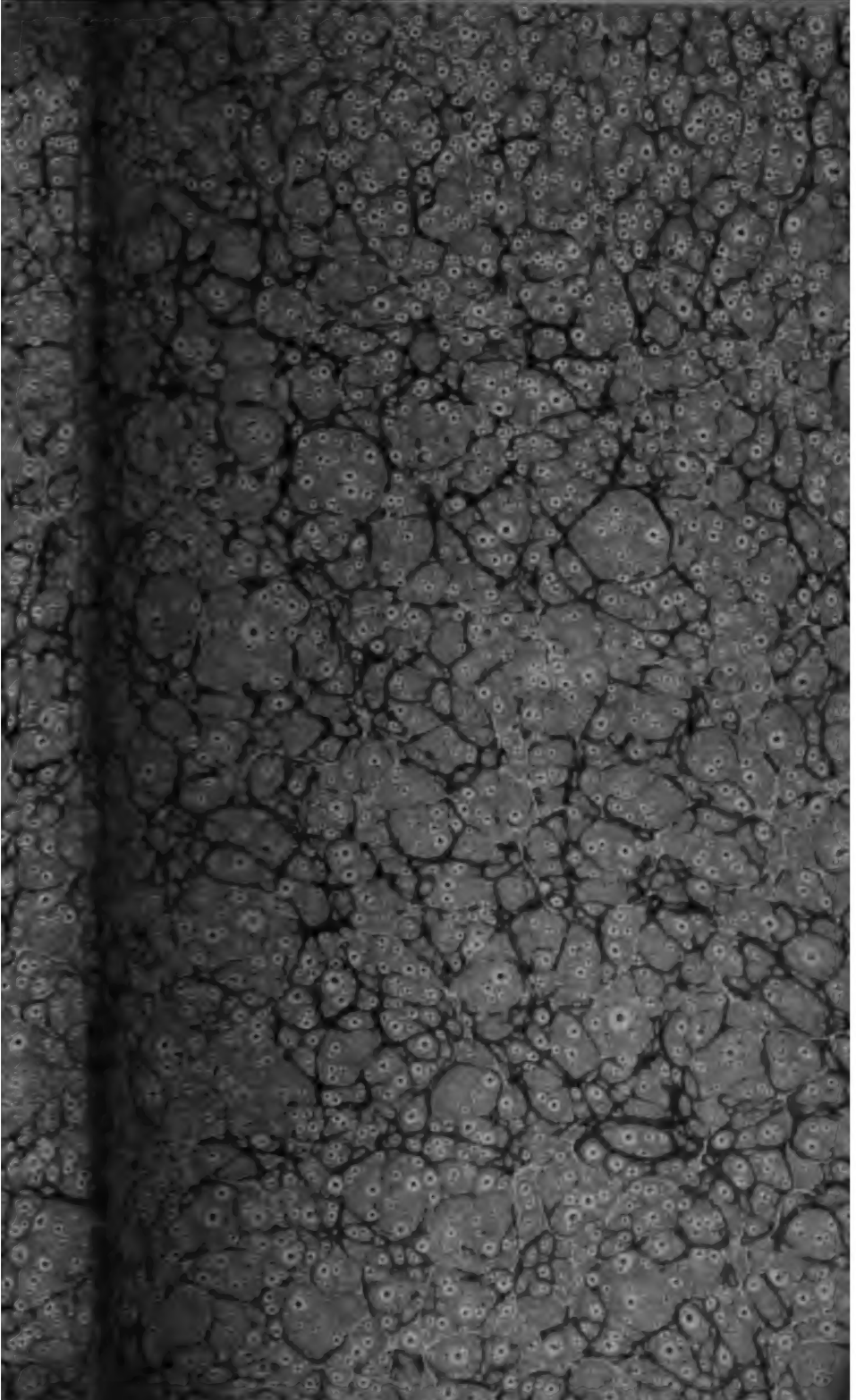
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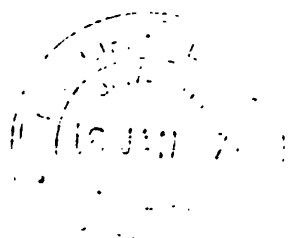


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**LUDOVICI PFEIFFER**

**MONOGRAPHIA HELICEORUM**

**VIVENTIIUM.**

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**MONOGRAPHIA  
HELICEORUM  
VIVENTIUM.**

**SISTENS**

**DESCRIPTIONES SYSTEMATICAS ET CRITICAS  
OMNIUM HUIUS FAMILIAE GENERUM ET SPECIERUM  
HODIE COGNITARUM.**

**AUCTORE**

**LUDOVICO PFEIFFER, DR.**

**CASSELLANO.**

**VOLUMEN PRIMUM.**

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**LIPSIAE:  
F. A. BROCKHAUS.  
1848.**





## PRAEFATIO.

Librum Tibi offero, benevole lector! e studiis et laboribus assiduus multorum annorum ortum, in quo omnia, quae de familia Heliceorum ad hunc diem mihi innotuerunt — exclusis speciebus, quae statu fossili solummodo cognitae sunt —, ordine systematico redigere suscepi. Maximam partem specierum, quas descriptas invenies, ipse in collectione servo, permultas, quas nondum possideo, in Musaeis, praecipue Londinensibus, examinaui et novas, methodo adoptatae congruas, diagnoses earum conscripsi. Illas species, quas sufficienter exacte examinare mihi non contigit, cum originaria auctoris descriptione eo, qui aptus mihi videbatur, loco inserui, signoque † notavi. Cuidam reliquarum descriptioni indicationem adjeci Musaei, in quo specimina typica reperiuntur, vel numerum, sub quo in collectione mea servantur.

Synonymiam, quantum fieri poterat, completam dedi, omissa tamen, quo spatio parcerem, synonymorum antiquiorum et recentiorum copia a Chemnitzio, Lamarckio et Deshayesio jam citatorum. Ea tantum ex illis citavi opera, quae ad specierum cognitionem accuratiorem aut descriptionibus aut figuris bonis utiliter conferre possunt, vel nomine diverso species designarunt.

Mensurae singularum specierum in universum e speciminibus typicis desumtae sunt, ut proportiones longitudinis et latitudinis, vel diametri majoris, minoris et altitudinis, vel aperturae, ad specimina majora vel minora facile reduci possint. Mensura usus sum a Gallis nunc universaliter adoptata, quippe quae unica invariabilis et ubique nota mihi videbatur. Rationem progressus anfractuum (conf. Pfr. Symb. II. p. 6.) in illis casibus addidi, quibus ad dignoscendas species affines majoris momenti eam esse observavi.



In testis heliciformibus a me descriptis diametrum majorem, minorem et altitudinem indicavi, illum metiens a parte antica aperturae (incluso peristomate) ad punctum peripheriae anfractus ultimi illi oppositum; diameter minor mihi est dimensio testae angulum rectum cum illo formans; altitudinem in his mensus sum a vertice ad basin axis (nec ad basin aperturae). — In testis bulimiformibus longitudinem indicavi et diametrum, illam metiens a vertice ad basin aperturae (incl. perist.), diametrum autem nominavi lineam suturae subparallelam, a peristomatis margine supero usque ad convexitatem oppositam anfractus ultimi. — In testis fusiformibus plerumque locum indicavi, quo diametrum maximum, cum axi angulum rectum formantem, mensus sum: vel in medio testae vel in anfractu penultimo, etc.

Terminologia in describendis testis usus sum ab O. F. Müller primum exactius adhibita et a Rossmässler (Iconogr. I. p. 26—38.) optime exposita.

Quidquid de speciebus hodie parum vel omnino non cognitis tempus mihi docuerit, serius in supplemento Tibi proponam.

Praemissis his paucis librum Tibi trado, benevole lector, orans, difficultatum sis memor, quae in elaborando ejusmodi opere superandae fuerunt, et mendis vel erroribus indulgeas, quibus Monographiam meam haud expertem esse persuasus sum.

Cassellae. mense Augusti 1847.

**L. Pfeiffer, Dr.**

## INTRODUCTIO.

### §. 1.

#### **Familiae Heliceorum definitio.**

*Helicea* (sc. Mollusca) mihi sunt familia altera Gastropodum coelopnoorum gymnostomorum tetracerorum (Conf. Pfr. Symb. I. p. 4.), characteribus sequentibus ab omnibus aliis distincta:

Animal hermaphroditum, aërem pulmonibus spirans, cephalophorum, tentaculis 4 retractilibus, superioribus 2 majoribus, apice oculatis, inferioribus 2 minoribus (in speciebus nonnullis minutis generis Pupae s. Vertiginis [sed non in speciebus generis Partulae Fér.] vix conspicuis vel obsoletis) instructum, solea lata corporis glutinosi repens, visceribus in cono dorsali spirali, magis minusve elongato, testa spirali munito, positis.

*Limacea*, priorem ejusdem Tribus (Tetracerorum) familiam sistentia, modo testa spirali deficiente vel obsoleta ab Heliceis diversa sunt, reliquae autem Coelopnoorum non operculatorum familiae, tribum *Dicerorum* constituentes, tentaculis 2 contractilibus (nec retractilibus), basi interna (*Auriculacea*) vel externa (*Limnaeacea*) oculatis facile distinguuntur.

### §. 2.

#### **Synonyma familiae.**

Familia nostra fere ab omnibus auctoribus recentioribus eodem vel latiore sensu adoptata, sed variis nominibus designata, varioque modo divisa est:

1) Cl. Draparnaud 1806 (Hist. nat. p. 23.), qui nominibus familiarum nondum usus est, Gastropoda testa inoperculata (vel nulla) terrestria quadritentaculata divisit in: *a. nuda* (genus: *Limax*) et *b. testa munita* (genera: *Testacella*, *Vitrina*, *Helix*, *Succinea*, *Bulimus*, *Pupa*, *Clausilia*). — Sectio altera (excl. *Testacella*) = *Helicea* emend.

2) Primus Cl. Lamarck 1809 (Phil. zool.) sub nomine gallico: *Colymacés*, familiam constituit primam Gastropodum spiraliolum absque siphone, genera complectentem sequentia: *Helicem*, *Amphibulimum*, *Helicinam* \*), *Achatinam*, *Bulimum*, *Pupam*. —

\* De *Helicinae* animale et operculo illo tempore nihil cognitum erat.

Anno 1842 (Extrait du Cours de Zool. du Mus. d'hist. nat.) celeberrimus auctor eandem familiam (primam Trachelipodum) divisit in: *a. quadricornia* (genera: Helix, Helicella, Helicina, Pupa, Bulimus, Amphibulimus, Achatina) et *b. bicornia* (genera: Cyclostoma, Vertigo, Auricula). — Simili modo auctor 1822 (Hist. nat. d. anim. s. vert. vol. VI. P. 2. p. 64, ed. Desh. vol. VIII. p. 40.) nomine: *Colimacés* primam familiam Trachelipodum phytophagorum sic divisit: *a. tentaculis 4* (genera: Helix, Carocolla, Anostoma, Helicina, Pupa, Clausilia, Bulimus, Achatina, Succinea), et *b. tentaculis 2* (genera: Auricula, Cyclostoma). — Vitrina a Lamarckio familiae Limaceorum adnumeratur. — Familia Lamarckiana sub nomine: *Colimacea* eadem latitudine a Jay (Catal. 1839) adoptata, ab aliis sensim depurata et emendata est.

3) Cuvier 1817 (Règne animal II. p. 404.) inter Pulmonata terrestria genus *Helicem* sensu lat. habet, cujus subgenera sunt: Helix, Vitrina, Bulimus, Pupa, Scarabus, Chondrus, Succinea, Clausilia et Achatina. In editione altera (1830.) Carocollam et Anostoma subgeneribus addit et Scarabum eliminat, qua emendatione genus familiae nostrae satis bene respondet.

4) Férussac 1819 (in Prodr. p. 48.) et 1821 (Tabl. syst. p. XXXI.) subordinem Pulmonatorum non operculatorum geophilorum in duas familias divisit, quarum altera: *Cochleae* exacto omnia genera a me in familia Heliceorum adoptata complectitur. Claro autem auctori genera sunt: *a. tetracera*: Helicarion, Helicolimax, Helix (subgenera: Helicophanta, Cochlohydra, Helicogena, Helicodonta, Helicigona, Helicella, Helicostyla, Cochlostyla, Cochlitoma, Cochlicopa, Cochlicella, Cochlogena, Cochlodonta, Cochlodina) et *b. dicera*: Vertigo, Partula. — Genus Polyphemus Montf. in tab. synopt. p. 49 adoptatum serius (p. 50. et tabl. syst. p. XXXII.) Helici iterum iungitur.

5) Schweigger 1820 (Naturgesch. p. 744.) in Coelopnois terrestribus genus *Helicem* adoptat, Cuvieriano simile, cujus subgenera sunt: Succinea, Scarabaea, Chondrus, Pupa, Bulimus, Helix, Vitrina.

6) Studer 1820 (Syst. Verz. p. 44.) familiam una cum Limaceis in genere *Glischri* comprehendit, cujus subgenera haec sunt: Limax, Hyalina, Tapada, Helix, Bulinus, Pupa, Torquilla, Clausilia.

7) W. Hartmann 1824 (Neue Alpina I. p. 200.) Helicea nostra et Linacea comprehendit in Gastropodibus Adelobranchiis terrestribus et amphibiiis. Genera ei sunt: Clausilia, Chondrus, Pupa, Bulinus, Helix, Limacina, Limax, Limacia et Amphibina. — Eodem anno (in Sturm's Fauna Deutschl. Abth. VI. II. 5. p. 54.) generibus addit Daudebardiam.

8) Blainville 1824 (Dict. d. sc. nat. tom. 32. p. 247. et 1825 (Man. de Malac. p. 454.) tertiam familiam Pulmobranchia-

torum *Limacinea* habet. Genera sunt: a. *Succinea*, *Bulimus*, *Achatina*, *Clausilia*, *Puppa*, *Tomogerus*, *Helix* — b. *Helicolimax*, *Testacella*, *Parmacella*, *Limacella*, *Limax*, *Onchidium*.

9) Risso 1826 (Hist. IV. p. 58.) familiam *Helicidarum* in *Adelobranchiis* constituit, cujus genera sunt sequentia: *Succinea*, *Helicogena*, *Helix*, *Cantareus*, *Helicodonta*, *Helicigona*, *Hygromia*, *Helicella*, *Theba*, *Cochlicella*, *Bulimulus*, *Rumina*, *Cochlicopa*, *Ferrusacia*, *Acicula*, *Vediantius*, *Orbitina*, *Crenea*, *Saraphia*, *Clausilia*, *Pegea*, *Jaminia*.

40) C. Pfeiffer 1828 (Naturg. III. p. 3 et 55.) in universum methodum Ferussacianam adoptat. Male autem praeter *Helicophantam*, *Vitrinam*, *Succineam*, *Helicem* et *Vertiginem Cochlearium* generibus etiam adnumerat *Carychium* et *Cyclostoma*.

41) Menke 1828 (Synops. p. 8.) familiam *Heliceorum* (secundam *Geophilorum*) divisit in: a. *tetraceras* (genera: *Helicarion*, *Vitrina*, *Daudebardia*, *Succinea*, *Helix*, *Carocolla*, *Anostoma*, *Bulimus*, *Achatina*, *Clausilia*, *Pupa* et b. *diceras* (genera: *Vertigo*, *Partula*). — In secunda editione 1830 eadem distributio servata est mutatis nominibus in: *Geophila* et *Helicea*.

42) Fleming 1828 (Brit. anim. p. 255.) *Helicidas* priorem subfamiliam *Cochleadarum* inoperculatorum habet. Genera: *Carocolla*, *Helix*, *Bulimus*, *Achatina*, *Succinea*, *Vitrina*.

43) Rang 1829 (Manuel p. 156.) familiam *Ferussacianam* adoptat (*les Limaçons*). Genera ei sunt: *Vitrina*, *Helix*, *Vertigo* et *Partula*.

44) Deshayes 1830 (Encycl. méth. II. p. 552. tabl.) in secunda familia *Pulmobranchiatorum* genera admittit: *Vitrinam*, *Helicem*, *Anostoma*, *Bulimum*, *Succineam* et *Pupam*.

45) Cristofori et Jan 1832 (Catal. p. 4.) genera *Heliceorum* in familia secunda et tertia *Pulmonatorum* terrestrium enumerant. Familia secunda: *Helicoidea* (genera: *Helicophanta*, *Vitrina*, *Helix*); familia tertia: *Cochloidea* (genera: *Achatina*, *Polypheumus*, *Columna*, *Bulimus*, *Pupa*, *Vertigo*, *Chondrus*, *Clausilia*, *Succinea*).

46) Wiegmann 1832 (Handb. d. Zool. p. 523.) in secunda familia *Pulmonatorum* — *Helicinis* — genera habet: *Vitrinam*, *Succineam*, *Helicem*, *Bulimum*, *Pupam*, *Clausiliam*, *Vertiginem*.

47) Fitzinger 1833 (Syst. Verz. p. 92.) *Helicoidea* et *Cochloidea* Crist. et Jan nomine *Helicoideorum* comprehendit. Genera in Austria obvia: *Helix*, *Conulus*, *Pyramidula*, *Monacha*, *Helicella*, *Latomus*, *Isognomostoma*, *Trigonostoma*, *Chilostoma*, *Gonyodiscus*, *Discus*, *Vitrea*, *Aegopis*, *Oxychilus*, *Helicopsis*, *Clausilia*, *Fusulus*, *Styloides*, *Bulimus*, *Torquilla*, *Cylindrus*, *Pupa*.

48) Beck 1837 (Ind. moll. p. 4.) *Heliceorum* genera in familia *Cochleadeorum* comprehendit et in quatuor tribus dividit.



quibus nomina: *Vitrinida* (genera: *Vitrina*, *Helicarion*, *Helicopsis*, *Nanina* cum 3 subgeneribus; et *Stenopus*), *Helicida* (genera: *Daudebartia*, *Helix* cum 45 subg., et *Artemon*), *Bulimida* (genera: *Bulimus* cum 20 subg., *Achatina* cum 10 subg., *Pupa* cum 14 subg., *Clausilia* cum 3 subg.). *Succinida* (genus: *Succinea* cum 4 subgeneribus).

49) Charpentier 1837 (Catal. des moll. terr. et fluv. de la Suisse) inter mollusca terrestria sequentia adoptat genera *Heliceis* adnumeranda: *Vitrinam*, *Succineam*, *Helicem* (subgenera: *Helix* Fitz., *Cryptomphalus* Agass., *Chilostoma* Fitz., *Trigonostoma* Fitz., *Carocolla* Lam., *Conulus* Fitz., *Helicella* Fitz., *Delomphalus* Ag., *Hyalinia* Ag.), *Bulinum* (subgenera: *Polyphemus*, *Folliculus* Ag., *Bulimulus*), *Pupam* (subg. *Eucore* Ag., *Sphyradium* Ag., *Chondrus* Cuv.), *Clausiliam*, *Vertiginem*.

20) Held 1837 (Isis p. 905.) Pulmonaceorum familias enumerat: *Helices* (genera: *Cepaea*, *Coenatoria*, *Cingulifera*, *Corneola*, *Lenticula*, *Xerophila*, *Fruticicola*, *Trochiscus*, *Gonostoma*, *Tragomma*, *Patula*, *Polita*), *Bulimos* (genera: *Zebrina*, *Merdigera*), *Pupas* (genera: *Gonodon*, *Granaria*, *Orcula*, *Torquatella*). — Reliquae familiae publico non traditae sunt.

24) D'Orbigny 1837. (Moll. canar.) nomen gallicum familiae male vertit in: *Colimacidae*. Eodem nomine 1844 (Moll. cub. I. p. 137. 140.) in secunda familia Pulmobranchiatorum genera admittit: *Vitrinam*, *Succineam*, *Helicem*, *Achatinam*, *Bulinum*, *Pupam*, *Clausiliam*.

22) Potiez et Michaud 1838 (Galérie de Douai I. p. 64.) in familia *Cochlearum* genera habent sequentia: *Vitrinam*, *Succineam*, *Helicem*, *Achatinam*, *Bulinum*, *Pupam*, *Clausiliam*, *Vertiginem*, *Partulam*.

23) Sowerby 1839 (Conch. Man.) et 1842 (ib. ed. II. p. 112.) familiam *Colimaceorum* in Trachelipodibus adoptat et in 3 sectiones dividit, quarum prima genera continentur sequentia: *Succinea*, *Helix*, *Anastoma*, *Streptaxis*, *Bulinus*, *Achatina*, *Pupa*, *Clausilia*. (In secunda et tertia sectione Auriculacea et Cyclostomacea tractantur.) — In explicatione figurarum (p. 302.) genera adduntur sequentia: *Proserpina*, *Polygyra*, *Carocolla*, *Achatinella*, *Polyphemus*, *Azeca*, *Alaea*, *Vertigo*, *Megaspira*, *Balea* et (p. 344.) *Stenopus*.

24) Gray 1840 (Manual p. 404.) in Pneumonobranchiatis inoperculatis terrestribus duas familias distinguit: *Arionidas* et *Helicidas*, quarum in subfamiliis *Limacinorum*, *Vitrininorum*, *Testacellinorum* et *Helicinorum* sequentia tractantur genera: *Limax*, *Vitrina*, *Testacella*, *Helix*, *Zonites*, *Succinea*, *Bulimus*, *Zua*, *Azeca*, *Achatina*, *Pupa*, *Vertigo*, *Balea*, *Clausilia*. — In Synopsi Mus. Brit. (ed. 1840 et) 1842 (p. 67 et 90.) systema ab auctore fusius expositum est. Genera a me *Heliceis* adscripta in duabus familiis

tractata sunt, quarum utraque genera comprehendit nuda et testa praedita. In familia *Arionidarum* genera sunt sequentia: *a.* Arion, Phosphorax, *b.* Helicarion, *c.* Nanina, Stenopus, *d.* Zonites — in familia *Helicidarum* haec: *a.* Limacellus, Scutelligera (e classe Molluscorum jamdiu eliminata), Meghimatium (Meghimatium van Hass., Fér.), *b.* Limax, *c.* Parmacellus, Cryptella, Pectella, Vitrina, Helicolimax, Omalonyx, *d.* Plectrophorus, *e.* Testacellus, *f.* Helix, Streptaxis, Anostoma, Helicodonta, Polydotes, Pleurodonta, Dentellaria, Carocolla, Iberus, Chilotrema, Odontostylus, Helicophanta, Tapada, Amphibulina, Epistylum, Mesomphyx, Proserpina, Delomphalus, Hyalina, *g.* Bulimus, Megaspira, Pupa, Abida, Clausilia, Balea, Siphonostoma, Bulimulus, Succinea, *h.* Achatina, Macrospira, Polyphemus, Achatinella.

25) J. D. W. Hartmann 1840 (Erd- und Süsssw. Gast. I. Syst. Uebers.) in Pneumoneatis Geophilis sequentia habet genera: Auriculam, Clausiliam, Chondrum, Pupam, Bulimum, Helicem cum subgen. plur.), Helicophantam, Testacellam, Vitrinam, Succineam.

26) Swainson 1840 (Treat. on Malac. p. 460 et 326.) in familia *Helicidarum* omnes sectiones Pulmonatorum comprehendit. Dispersa reperiuntur genera Heliceorum in subfamiliis *Limacinarum* (Vitrina, Stenopus, Succinea), *Lucerninarum* (Leiostoma, Lucerna, Lucernella, Pusiodon, Thelidomus), *Helicinarum* (Helix, Geotrochus, Pupa, Helicella), *Achatinarum* (Clausilia, Bulimus, Achatina).

27) Reeve 1841 (Proc. Zool. Soc. p. 76.) et 1842 (Conch. syst. II. p. 64.) familiam *Colimaceorum* in Pulmobranchiatis habet. Genera: Helix, Carocolla, Anostoma, Pupa, Clausilia, Bulimus, Partula, Achatina, Succinea.

28) Gould 1844 (Invert. of Massach. p. 169.) eodem nomine *Colimaceorum* familiam designat, ex qua genera tractantur: Helix, Pupa, Bulimus, Succinea (et Auricula).

29) A. Catto 1845 (Conch. Nom.) omnino systema Reeveanum sequitur, addito genere Achatinella.

30) Agassiz 1847 (Nom. zool. Ind. univ.) nomen familiae mutandum proponit in: *Helicoidae*.

De omnibus hisce auctorum methodis et de vario modo, quo ipse familiam tractaverim, conferantur in Herrmannsen ind. gen. Malacoz. prim.: *Helicea*, *Helix* Cuv., *Colimacea* etc.

### §. 3.

#### Genera adoptata.

Etsi in familia Helicorum typi sufficientes existere videantur ad formanda et determinanda bona genera, tum ex animalium structura peculiari, tum e testarum figura, tamen difficillimum

est, immo forsitan impossibile, circumscribere haec genera characteribus tam exactis, ut species nulla ambigua remaneat inter plura genera.

Nonnulla genera ab auctoribus proposita sunt, quae animalis structura bene distincta videntur, e. gr. *Ariophantu Desmoul.* (*Nanina Gray, Tanychlamys Bens.*), pallio laciniato et poro mucoso (uti *Arionis*), *Stenopus Guild.*, « cauda tentaculata, tentaculo subretractili, glandula ad basin posita » ab Helice — et *Glandina Schum.*, ore proboscidiiformi bipartito ab *Achatina* diversae. Sed cum eo praesertim consilio librum meum conscripserim, ut omnes species testarum in collectionibus exstantium rite dignosci et determinari possint, species ex animalis structura ad genera illa pertinentes in aliis generibus loco testa eis assignata enumeravi, quia characteres non existunt, quibus testa *Ariophantae*, *Naninae* vel *Stenopodis* ab Helice distinguatur, et characteres generici *Glandinae* absque limite in eos *Achatinae* transeunt.

Quare genera Heliceorum, Lamarckianis quantum fieri poterat applicata, magis minusve exacte circumscripta, ad omnes species excipiendas a me adoptata, sequentia sunt: *Daudebardia, Vitrina, Succinea, Helix, Anostoma, Tomigerus, Streptaxis, Proserpina, Bulinus, Achatinella, Achatina, Gibbus, Pupa, Cyliindrella, Bulea* (includens *Megaspiram*), *Tornatellina* et *Clausilia*.

## Generum characteres.

### §. 4.

#### I. *Daudebardia* Hartm.

Testa perforata, cornea, depressa, paucispira, horizontaliter et rapide involuta, anfractu ultimo permagno; apertura obliqua, amplissima (Species vid. vol. II.).

*Daudebardia* Hartm. in Sturm Fauna Abth. VI. II. 5. 1821. p. 41.

— Menke Syn. p. 8. Ed. II. p. 44.

*Helicophantu* C. Pfr. Naturg. III. p. 3. 55.

— Desh. Encycl. méth. II. p. 269.

— Rossm. Iconogr. I. p. 84.

— Hartm. Erd- u. Süssw. Gast. I. 4. p. 7. 10.

— L. Pfr. Symb. I. p. 5. II. p. 63. III. p. 43.

*Daudebartia* Beck ind. p. 3.

Genus transitum evidentem a Limaceis ad Helicea formans. Animal enim omnino limaciforme testam parvulam in parte posteriore gerit, nec ullam partem pedis in illa recondere potest. — Per paucae modo ejus species notae sunt, testa a nonnullis Helicis cohortibus vix distinguendae. Férussac species 2 illo tempore cognitae monstruoso suo generi Helicis injunxit et una cum Helice castra, cornu giganteo et magnifico in subgenere *Helicophantae*

enumeravit. Hartmann primus genus distinctum esse agnovit, quod nomine *Daudebardiae* ornavit. Serius C. Pfeiffer de genere sub nomine *Helicophantae* tractavit, minus bene nomen Ferussacianum servans, quippe quod praeter Daudebardias etiam Helices veras comprehendit.

## §. 3.

**II. *Vitrina* Draparnaud.**

Testa imperforata, tenuissima, depressa; spira brevis, anfractu ultimo magno; apertura magna, lunata vel rotundata, margine columellari subinflexo, saepe membranaceo-marginato. (Spec. vid. vol. II.)

*Vitrina* Drap. hist. nat. p. 23 et 30.

— Lam. hist. vol. VI. 2. p. 52, ed. Desh. VII. p. 726.

— C. Pfr. Nat. I. p. 42. 46. III. p. 3. 55.

— Rossm. Icon. I. p. 73.

— Gray Man. p. 448.

— Potiez et Mich. Gal. I. p. 64.

— Reeve Conch. syst. II. p. 62.

— Callow Conch. Nom. p. 447.

*Vitrinus* Montf. Conch. syst. II. p. 239.

*Cobresia* Hübner Monogr. von Testaceen. 1810.

*Hyalina* Stud. syst. Verz. p. 44.

*Limacina* Hartm. in Neue Alpen I. p. 207.

*Helicarion* et *Helicolimax* Fér. prodr. p. 20. 24.

*Helicarion* Fér. tabl. syst. p. XXXI. et Voy. de Freyc.

*Helicolimax* Blainv. in Dict. sc. nat. vol. 32. p. 254.

*Vitrina*, *Helicarion* et *Simpulopsis* Beck ind.

*Helicarion*, *Vitrina* et *Helicolimax* Gray Syn. Brit. Mus. 1842. p. 90.

Animal Limaceis etiam affine, testa sua majus, sed pallio antrorsum elongato, transversim rugato distinctum. Quoy et Gaimard similem pallii formationem in *Helice citrina* L. aliisque observantes, has species *Vitrinae* injunxerunt (sequente Anton Verz. p. 33.), quod non approbandum, quia pallium in illis laciniatum et reflexum est et testa quoque habitum *Vitrinarum* genuinarum non exhibet. E speciebus sic conformatis Desmoulins 1829 genus *Ariophantam*, Gray 1834 *Naninam* formavit, quod genus in systemate naturali, animalis structura modo fundato, servandum erit, in mea autem distributione (testarum cognitioni potissimum adaptata) *Helici* insertum est. — Férussac duo distinguit genera: *Helicarionem* (antea *Helicarion*), poro mucoso terminali instructum, et *Helicolimacem*, poro illo destitutum (genuinam Draparnaudii *Vitrinam*). Eum sequitur Beck, qui in tribu *Vitrinidorum* genera *Vitrinam*, *Helicarionem*, *Helicopsin* et *Naninam* admittit. Plerique autem auctores recentiores ambo

genera nomine *Vitrinae* conjunxerunt, id quod ego quoque feci, *Simpulopsin* Beckii (auctori subgenus Succineae), inter Vitrinam et Succineam ambiguum, sed ad Vitrinam ex mea sententia potius referendam, huic generi adnumerans. — Plures autem species ab auctoribus ob testae similitudinem Vitrinae adscriptae, praesertim capenses, ad Helicem forsitan meliore jure in posterum referentur.

## §. 6.

**III. Succinea Draparnaud.**

Testa imperforata\*), tenuis, ovata vel oblonga; spira parvula; apertura magna, oblique ovalis; columella simplex, acuta, recta; perist. simplex, acutum.

*Succinea* Drap. hist. p. 24 et 29.

— Lam. hist. VI. 2. p. 134. ed. Desh. VIII. p. 314.

— C. Pfr. Nat. I. p. 13. 66. III. p. 3. 55.

— Blainv. in Dict. d. sc. nat. vol. 32. p. 248.

— Desh. in Ann. d. sc. nat. vol. 22. p. 345.

— Rossm. Icon. I. p. 94.

— Potiez et Mich. Gal. I. p. 66.

— Gray Man. p. 177.

— Reeve Conch. syst. II. p. 88.

— Caltow Conch. Nomencl. p. 167.

*Amphibulina* Lam. Ann. du Mus. vol. VI. p. 304.

*Amphibulinus* Montf. Conch. syst. II. p. 90.

*Lucena* Oken Lehrb. d. Nat. III.

*Tupada* Stud. syst. Verz. p. 11.

*Lucena* et *Amphibulina* Hartm. in Sturm Fauna Abth. VI. H. 5.  
p. 27. 40. 42.

*Amphibina* Hartm. in Neue Alpina I. p. 208.

*Helix* subg. *Cochlohydra* Fér. pr. p. 26.

*Helisiga* Less. Voy. de la Coq. p. 316.

*Omalonyx* d'Orb. voy. Amér. p. 230.

*Amphibulina*, *Succinea* et *Pelta* \*\*) subg. Succin. Beck ind.

*Omalonyx*, *Amphibulina* et *Succinea* Gray Syn. Br. Mus. 1842?

Animal amphibium, heliciforme, tentaculis superioribus tumidis, conoideis.

Testa Succineae a Bulimis columella simplice praeditis (B. gallina-sultana etc.) generico caractere vix ullo distingui potest, quare olim (conf. Proc. Zool. Soc. Lond. 1842. p. 187 et 188, et Symb. II. p. 131.) has species inter Succineas enumeraveram; serius autem (Symb. III. et in hoc libro) e notis de animalium

\*) In pluribus speciebus spirae anfractus a basi conspiciuntur, attamen haec perforatae nominari nequeunt, quia interna (nec inferna) pagina testae recedente columella oculo exhibetur, uti in Bullis.

\*\*) Quid sit *Pelta* Cumingii Beck ind. p. 100. nescio

vivendi ratione et structura a Cuming et Troschel mihi communicatis, ad Bulimos eas restitui, quamvis ex sententia Cl. Troschel (Zeitschr. f. Malak. 1847. p. 50.) genus *Orthalicus* Beck pro illis adoptandum sit.

## §. 7.

IV. *Helix* Linn. (emend. Drap. et Lam.)

Testa umbilicata, perforata vel imperforata, discoidea, globoso-depressa vel conoidea; apertura transversa, obliqua, lunaris vel subrotundata, marginibus distinctis, remotis vel callo junctis. (Spec. vid. vol. I. p. 16.)

*Helix* Linn. emend. Müll., Scop., Drap. etc.

— Müll. verm. II. p. 12.

— Drap. hist. p. 23. 29. 78.

— Lam. hist. VI. 2. p. 62. ed. Desh. VIII. p. 22. et *Carocolla*  
Lam. VI. 2. p. 94. ed. Desh. VIII. p. 142.

— C. Pfr. Nat. I. p. 12.

— Blainv. in Dict. d. sc. nat. vol. 32. p. 252.

— Desh. in Encycl. méth. II. p. 188.

— *Nanina*, *Stenopus* Beck ind.

— et *Carocolla* Reeve Conch. syst. II. p. 67. 71.

— — Callow Conch. Nom. p. 118. 138.

— Küster et L. Pfr. in Chemn. ed. II. vol. I. Sect. 12.

*Helices* Held in Isis 1837. p. 905.

Reliqua synonym. vid. infra et in Herrmannsen Ind. gen.: *Helix*,  
*Nanina* etc.)

Animal familiae typicum.

Genus tum numero specierum, tum variabilitate formarum excellens, in omnia genera affinia fere absque limitibus irradians, in §. 47 a Bulimorum §. 4 et §. 12 speciebus nonnullis omnino non distinguendum, altero latere transitus immediatos in Daudebardiam et Vitrinam offerens.

Genus *Helicis* uti primum a Linnaeo constitutum est, diversissimas complectitur testas, hodie Helici, Polydontae, Planorbi, Anostomati, Ampullariae, Janthinae, Paludinae, Bulimo, Melaniae, Limnaeae, Succineae, Clausiliae, Coriocellae, Sigareto et Fossaro adscriptas. — In emendato genere Mülleriano emissis Planorbe, Vertigine, Carychio et Buccino praeter Helices veras species adhuc restant Vitrinae, Anostomatis, Lanistae, Cyclostomatis, Bulimi, Polydontae, Succineae, Achatinae, Pupae, Auriculae, Clausiliae, Pyramidellae. — Scopoli primus 1786 Bulimum segregavit, tum Lamarck 1799 Helicinam et Sigaretum et 1804 Janthinam, Draparnaud 1804 Vitrinam et Succineam et 1805 Clausiliam, deinde Fischer 1807 Polydontam et Anostoma.

In genere *Helice* Fér. (1819) subgenera *Helicogenu*, *Helico-*

*donta*, *Helicigona*, *Helicella* et *Helicostyla* genus a me adoptatum efformant.

In genere depurato Lamarckiano (1822.) *Helicella* antea (1812.) ab auctore separata iterum iungitur et bene segregatur *Anostoma*, male autem duce Schumacher *Carocolla*.

Alii auctores vario modo hoc genus in multa genera vel subgenera diviserunt, ex quibus huc referenda mihi videntur: *Pleurodonta* Fischer 1807 — *Caprinus*, *Caracolis*, *Cepolum*, *Polydontes*, *Iberus*, *Acavus*, *Zonites* Montf. 1810 — *Carocolla*, *Dentellaria*, *Olala* Schumacher 1817 — *Polygyra* Say 1817 — *Mesomphix*, *Odotropis* et *Chimotrema* Rafinesque 1819 — *Arianta*, *Chilotrema*, *Pomatia*, *Tachea*, *Teba*, *Zurama* Leach 1820 — *Helicogena*, *Cantareus*, *Helicodonta*, *Helicigona*, *Hygromia*, *Helicella*, *Theba* et *Vallonia* (?) Risso 1826 — *Solarium* Spix 1827 — *Stenopus* Guild. 1828 — *Ariophanta* Desmoulins 1829 — *Aplodon*, *Stenostoma*, *Toxostoma*, *Mesodon*, *Omphalina*, *Triodopsis*, *Xolotrema*, *Odomphium* Rafinesque 1831 — *Caracolla* Broderip 1832 — *Conulus*, *Pyramidula*, *Monacha*, *Helicella*, *Latomus*, *Isognomostoma*, *Trigonostoma*, *Chilostoma*, *Gonyodiscus*, *Discus*, *Vitrea*, *Aegopis*, *Oxychilus*, *Helicopsis* Fitzinger 1833 — *Nanina* Gray 1834 — *Drepanostoma* Porro 1836 — *Acave* Krynicki 1836 — *Cepaea*, *Coenatoria*, *Cingulifera*, *Corneola*, *Lenticula*, *Xerophila*, *Fruticicola*, *Trochiscus*, *Gonostoma*, *Tragomma*, *Patula*, *Polita* Held 1837 — *Helicopsis*, *Microcystis*, *Nanina*, *Ariophanta*, *Stenopus*, *Helicella*, *Mesomphix*, *Zonites*, *Euryomphala*, *Sagda*, *Pitys*, *Turricula*, *Theba*, *Leucochroa*, *Ochtheopila*, *Bradybaena*, *Petasia*, *Daedalochila*, *Tridopsis*, *Polygyra*, *Circinaria*, *Macrocyclus*, *Campylaea*, *Soliroopsis*, *Iberus*, *Chilotrema*, *Caracollina*, *Vortex*, *Chloritis*, *Planispira*, *Obba*, *Ampelita*, *Caracolla*, *Polydontes*, *Labyrinthus*, *Pleurodonta*, *Dentellaria*, *Olala*, *Helicostyla*, *Acavus*, *Helicogena*, *Arianta*, *Gulaxius*, *Pomatia*, *Polymita*, *Eurycratera*, *Stylodon*, *Helicophanta*, *Geotrochus* et *Orthostylus* (pars) Beck 1837 — *Helix*, *Cryptomphalus*, *Chilostoma*, *Trigonostoma*, *Carocolla*, *Conulus*, *Helicella*, *Delomphalus* et *Hyalinia* Agassiz et Charpentier 1837 — *Odontostylus* Gray 1840? — *Obelus*, *Oxynota*, *Euparypha*, *Helicella*, *Zonites*, *Lomastoma*, *Chilostoma*, *Actinota*, *Delomphalus*, *Aegopis*, *Oxylopha*, *Trigonostoma*, *Drepanostoma*, *Isognomostoma*, *Conulus*, *Plicaria*, *Calocochlea*, *Proteusia*, *Tachea*, *Helicogena*, *Arianta*, *Monacha*, *Trichia*, *Teba*, *Hyalinia*, *Chromocochlea*, *Columpica*, *Eulota*, *Gallina*, *Heterostoma* Hartm. 1840 — 44 — *Leiostoma*, *Lucerna*, *Caracolla*, *Discodoma*, *Lucidula*, *Lucernella*, *Polydontes*, *Lyrostoma*, *Polygyra*, *Lucidella*, *Pusiodon*, *Thelidomus*, *Helix*, *Hemicycla*, *Zonites*, *Epistyla*, *Hemitrochus*, *Geotrochus*, *Geomitra*, *Helicella* Swains. 1840. (De omnibus hisce nominibus conf. Agass. Nomencl. et Hermannsen ind., nec non ind. alphabeticus generum et subgenerum in fine vol. II.)



Férussac, Leach, Fitzinger, Held, Agassiz, Beck, Swainson et Hartmann subgenera ex affinitate naturali formare susceperunt, sed characteres eruere non potui, quibus cohortes *Helicum* affinitate vera junctarum claris verbis designari possint, quamobrem in *Helice*, sicut in *Bulimo* aliisque generibus, distributionem et ordinationem mere ex characteribus externis methodo artificiali desumsi, ut singulam speciem inter immensam descriptarum copiam inveniri facilius reddatur. (Conf. consp. specierum vol. I. p. 13.) Attamen characteres in multis speciebus ambigui et variabiles sunt, quamobrem in adnotationibus saepe locum indicavi, quo species proxime affines quacrendae sunt; in universum autem, si speciem tibi incognitam examinas, ex specierum illi evidenter affinium et jam rite determinatarum comparatione ejus locum in libro meo facile invenies.

## §. 8.

**V. Anostoma Fischer.**

Testa orbiculata, spira convexa, obtusa; apertura sursum reversa, dentata vel edentula.

*Anostoma* Fisch. de Waldh. Mus. Demidoff. III. 1807.

— Lam. hist. VI. 2. p. 100. ed. Desh. VIII. p. 150.

— Sow. genera of shells fasc. VIII.

— Desh. in Encycl. méth. II. p. 51.

— Reeve Conch. syst. II. p. 73.

*Tomogeres* Montf. Conch. syst. II. p. 359.

*Angystoma* Schum. Essai p. 229.

*Tomogerus* Blainv. in Dict. d. sc. nat. vol. 32. p. 252.

*Anastoma* (subg. *Helicis*) Jan cat. 1832. p. 2.

— Swains. Elem. mod. Conch. 1835 et Malac. p. 129. 329.

— Sow. Conch. Man. ed. II. p. 65.

Genus persingulare, cui antea (Symb. III. p. 52. — *Tomogeres*) duce Beck (ind. p. 34.) species *Tomigero* clauso Spix analogas adnumeraveram. Apertura autem sursum reversa characterem praecipuum generis sistere videtur, quamobrem illas separavi et genus *Spixianum* restituendum censui. Tres solummodo *Anostomatis* species cognitae sunt, quarum 2 dentatae, altera major jam auctoribus veteribus nota, nunc in collectionibus rarissima, altera minor recentioribus temporibus frequenter e Brasilia allata, tertia edentula, quas descripsi in vol. I. p. 1.

## §. 9.

**VI. Tomigerus Spix.**

Testa horizontaliter rimata, globoso-conica, compressa, scarabiformis; apertura verticalis, ringens. (Spec. vid. vol. I. p. 2.)

*Tomigerus* Spix test. bras. t. 15.

Genus bene circumscriptum, inter *Anostoma*, *Streptaxin* et

**Bulimorum** §. 17 intermedium, a Wagner et Moricand **Helici** adscriptum, a Beck cum **Anostomate**, a Deshayes cum **Bulimo** junctum, a Potiez et Michaud **Auriculae**, a Reeve **Scarabo** insertum, huic quidem simillimum, at animalis structura omnino ab eo diversum.

## §. 40.

**VII. Streptaxis Gray.**

Testa subglobosa, heliciformis, irregularis, anfractibus ultimis e superiorum axi recedentibus; apertura edentula vel dentata. (Species vid. vol. I. p. 3.)

*Streptaxis Gray* in Loudon's mag. New ser. I. p. 484.

— *Pfr. Symb.* I. p. 5. II. p. 409. III. p. 52.

*Artemon Beck* ind. p. 48.

**Animal Helicis** (Fér.) — Testa formae singularis, saepe quasi monstrosae, tamen in singulis speciebus constantis. In omnibus spira regularis apparet, sed anfractus 2 ultimi vel ultimus modo ex axi superiorum discedunt et lateraliter vel deorsum vel fere retrorsum deviant. Umbilicus, qui in omnibus existere videtur, in multis deviatione anfractus ultimi comprimitur et in rimam transversalem transformatur. Peristoma in omnibus adultis expansum vel reflexum videtur, in junioribus saepe varicosum. Apertura vel omnino edentula vel dente parietis aperturalis unico vel hoc et variis in peristomatis margine positus munitum.

## §. 41.

**VIII. Proserpina Guilding.**

Testa depressa, helicinaeformis, basi callo nitido (sicut **Rotellae**) obducta; apertura intus dentata; perist. simplex, acutum.

*Proserpina Guilding* mss. teste Cuming.

— *Sow. Conch. Man.* f. 274. Ed. II. p. 237.

— *Gray Syn. Cont. Brit. Mus.* 1840. Ed. 1842. p. 90.

— *Jonas* in Zeitschr. f. Malak. 1846. p. 40.

*Odontostoma d'Orbigny* moll. cub. I. (1844.) p. 237.

De nomine generis sequentia exponenda sunt: G. B. Sowerby (*Conch. Man.* 1839. f. 274.) figuram exhibet bonam speciei cujusdam sub nomine generico *Proserpinae*, sed characteres huic generi non assignat.\*) — Deinde idem nomen invenimus in Gray *Syn. Brit. Mus.* ed. 1840 et ed. 44. (1842.) p. 68 et 90 inter genera **Helicidarum**, sed de characteribus nihil exponitur. Haec

\*) «*Proserpina Gray?* Fig. 274 represents a small shell belonging to the *Helix* tribe, to which it is believed, Mr. Gray has applied the name of *Proserpina nitida*. We do not know, how the genus is defined.» (*Sow. Conch. Man.* ed. II. p. 237.)

solum verba (p. 68.) leguntur: «the true Helices, Helicodonta etc. have the peristoma of the shell thickened, while the Helicophanta, Epistylum and Proserpina have it thin and sharp.» — Species a Sowerby figurata a Cuming serius mihi communicata est sub nomine *Proserpinae nitidae* Guild. mss., et Helicibus lamellatis eam adnumerans descriptionem dedi sub nomine Helicis Proserpinae. — Cl. Jonas (Zeitschr. f. Mal. 1846. p. 40.) genus *Proserpinae*, cujus speciem aliam antea Helicinae adscripserat, sustentandum censuit, cui opinioni (ibid. p. 42.) assenti. Serius autem cognovi, genus Cyclostomidarum, a Cl. d'Orbigny (moll. cub. I. p. 237.) nomine *Odontostomatis* \*) bene descriptum esse idem, et sub hac denominatione species illi pertinentes (vol. I. p. 44 — 43.) descripsi. Attamen non solum ex prioritatem publicationis (etsi vix legitimae), sed etiam quia nomen *Odontostoma* jam pluries in Zoologia usitatum est, nomen *Proserpinae* generi servandum censeo.

## §. 12.

**IX. Bulimus Scopoli.**

Testa ovata, oblonga vel turrata; apertura longitudinalis marginibus inaequalibus, edentula vel dentata; columella integra, extrorsum revoluta vel subsimplex; perist. simplex vel expansum.

*Bulimus* Scop. delic. flor. et faun. Insubr. 1787. I. p. 67.

— Lam. Phil. zool. p. 320. Hist. VI. 2. p. 416. (ed. Desh. VIII. p. 218.)

— Blainv. in Dict. d. sc. nat. vol. 32. p. 248.

— (gen.), *Chondrula* et *Cyclodontina* Beck ind.

— et *Partula* Reeve Conch. syst. II. p. 78. 82.

— Küst. in Chemn. ed. II. vol. I. Sect. 43.

*Bulimus* Stud. Verz. p. 47. sequent. Hartm., Charp., Broderip, Sowerby.

*Bulini* Held in Isis 1837. p. 917.

(Reliqua synonym. vid. infra et in Herrm. ind.)

Genus characteribus ambiguis testae ab Helice distinctum, varie in alia genera transiens, ex habitu universali potissimum dignoscendum. Species typicae facile distinguuntur — ab Helicibus typicis: forma ovata vel elongata, apertura longitudinali — a Pu-

\*) Coquille analogue à celle des Hélicines, toujours polie, brillante. Bouche sémilunaire, toujours dépourvue de péristome; ses bords sont minces, non réfléchis; sa columelle ou plutôt le bord columellaire, est fortement encroûté, calleux; l'angle antérieur pourvu de dents internes se prolongeant à l'intérieur comme une lame saillante. — Nous ne pouvons laisser ce genre dans les Hélicines, ses dents s'opposant à ce que la coquille soit pourvue d'un opercule pierreux et triangulaire ou sémilunaire; car alors les dents viendraient l'échancre. Le grand nombre de coquilles que nous avons examinées, nous prouverait au contraire, qu'il manque entièrement d'opercule. (Orb. I. c.)

pis: peristomatis marginibus inaequalibus — ab Achatinis: columella nunquam involuta, nec vere truncata, etc. Sed formae intermediae ubique adsunt, quae diagnosin exactam generis ab istis, nec non ab Achatinella, Balea, immo a Cylindrella prohibent. Quare characteres generici a me praemissi semper typum modo generis exhibent, cui species aberrantes magis minusve exacte adaptari possunt.

Genus a me adoptatum sequentia complectitur: species *Helicis*, *Bullae*, *Buccini*, *Turbinis* Linn., Chemn., Müll., Gmel. etc., species *Bulimi* Brug. \*), *Bulimos* Lamarckii (exclusis nonnullis, Pupae et Achatinae adnumerandis, inclusis autem ejusdem auctoris Auriculis nonnullis), *Helicis* Fér. subgenera: *Cochlostylam*, *Cochlicellam* et *Cochlogenam*, nec non genus *Partulam* Fér. et Auct. Angl. (ex erronea observatione animalis, quod 2 modo tentaculis praeditum dictum erat, ortum). — Praeterea genus ex Bruguierei tempore vario modo divisum et dilaceratum est. Genera et subgenera, quae a Bulimis separari non posse credo, sunt sequentia: *Bulimulus* Leach 1814 — *Limicolaria* Schumacher 1817 — *Elisma*, *Ena* Leach 1820 — *Hemiloma* Rafin. (?) 1820 — *Cochlicella*, *Bulimulus*, *Rumina*, *Orbitina* Risso 1826 — *Strophocheilus*, *Navicula*, *Auris*, *Columna*, *Stenostoma* Spix 1827 — *Macroceramus*, *Plekocheilus* Guilding 1828 — *Peristoma*, *Chondrus* Kryn. 1833 — *Cylindrus* Fitzinger 1833 — *Longaeva* Mühlf. — *Orthostylus* (pars), *Bulimus*, *Gonyostomus*, *Odontostomus*, *Pelekocheilus*, *Otostomus*, *Pachyotus*, *Placostylus*, *Partulus*, *Plectostylus*, *Orithalicus*, *Limicolarius*, *Obeliscus*, *Cochlicellus*, *Bulimulus*, *Buliminus*, *Brephulus*, *Mastus*, *Macroceramus*, *Chondrula*, *Cyclodontina* Beck 1837 — *Merdigera*, *Zebrina* et *Gonodon* Held 1837 — *Bulimulus* et *Eucore* Ag. et Charp. 1837 — *Pythohelix* (?), *Macrodonates*, *Auricula*, *Bulimus*, *Bulimulus*, *Leptospira*, *Goniostoma* Swainson 1840 — *Helicobulinus* Broderip 1840. — Subgenera a Hartm. (1840. Syst. Uebers.) enumerata: *Lycta*, *Ena*, *Azeca*, *Folliculus*, *Belonis*, *Rumina*, *Cochlicella*, partim ad Bulimum, partim ad Achatinam referenda sunt.

Species in libri mei vol. II. recensitae ex systemate mere artificiali ordinatae sunt.

### §. 43.

#### X. Achatinella Swainson.

Testa imperforata, bulimiformis; columella basi vel medio in dentem validum, interdum tortum, lamelliformem producta;

\*) Genus *Bulimi* Bruguiereanum diversissimas comprehendit testas, hodie generibus *Bulimo*, *Ampullariae*, *Amphibolae*, *Pupae*, *Limnaeae*, *Bulino* Adans., *Succineae*, *Amphipepleae*, *Melaniae*, *Carychio*, *Achatinae*, *Melanopsi*, *Chilinae*, *Tornatellae*, *Auriculae*, *Pedipedi*, *Polydontae*, *Clausiliae*, *Pyramidellae* adscribendas.

apertura longitudinalis, lunaris; perist. simplex vel labiatum, marginibus inaequalibus. (Species vid. vol. II.)

*Achatinella Swains.* in Quarterly journ. 1828. vol. XXV. p. 84.

— *Pfr.* in Proc. Zool. Soc. 1845. p. 89.

*Helicis* subg. *Cochlogenae* sect. *Helicteres* Fér.

*Helicteres* Beck ind. p. 54.

Omnes species huc relatae habitu totali inter se tam affines sunt, ut genus naturale optime limitatum, inter *Bulimum* et *Achatinam* intermedium constituere videantur, etsi characteres in diagnosi haud stricte enumerari possint. Cl. Férussac species illo tempore notas in sectione: *Helicteres* subgeneris *Cochlogenae* comprehendit et 1824 (in Voy. de Freyc.) eodem nomine eas descripsit. Swainson primus fuit, qui in genere *Achatinellae* eas a *Bulimis* separavit, sequentibus recentissimis auctoribus pluribus. Ab aliis species tum *Bulimo*, tum *Achatinae* (immo a Cl. Lamarck *Monodontae*) adscriptae sunt, et Beck in subgenere secundo *Bulimi* (*Helicteres*) eas collegit. — Duce Férussac dividi possunt ex forma, praeterea secundum structuram testae.

#### §. 14.

#### XL. *Achatina* Lamarck.

Testa imperforata, bulimiformis; columella intorta, versus basin aperturae truncata; apertura ovalis vel oblonga, superne angulata; perist. simplex, acutum. (Spec. vid. vol. II.)

*Achatina* Lam. Prodr. d'une nouv. class. des coq. 1799.

— *Cuvier* règne animal II. p. 409. (Ed. Voigt III. p. 95.)

— *Lam.* hist. VI. 2. p. 426. ed. Desh. VIII. p. 293.

— *Blainv.* in Dict. d. sc. nat. I. suppl. p. 78. vol. 32. p. 249.

— *Deshayes* in Encycl. méth II. p. 8.

— *Küster* in Chemn. ed. II. vol. I Sect. 43.

*Conf.* Herrmannsen ind. I. p. 9—12.

Genus *Bulimo* valde affine et transitus insensibiles exhibens. Species primum notae a veteribus tum *Bullae*, tum *Buccino*, *Helici* et *Volutae* adscriptae sunt. Bruguière eas in genere suo *Bulimi* enumeravit et Humphrey primus 1797 eas in genere *Chersina* separasse videtur. Lamarck autem verus generis *Achatinae* auctor est, quippe qui (jam 1799) primam definitionem scientificam proposuit. Ferussacii subgenera *Helicis*: *Cochlitoloma* et *Cochlicopa* easdem sectiones sistunt, quas plerique nunc nominibus *Achatinae* et *Glandinae* designare solent. Praeterea genera et subgenera aliorum, a me huc relata, sequentia sunt: *Achatinus*, *Liguus*, *Polyphemus* Montf. 1840 — *Columna* Perry 1844 — *Glandina* Schumacher 1847 — *Zua* Leach 1820 — *Cochlicopa*, *Acicula*, *Ferrusacia*, *Vediantius* et *Pegea* (?) Risso 1826 — *Cionella* Jeffreys 1829 — *Styloides* Fitzinger 1833 — *Chersina*,

*Achatina*, *Columna*, *Subulina*, *Glandina*, *Acicula*, *Leptinaria* (?) et *Cionella* Beck 1837 — *Polyphemus* et *Folliculus* Agass. et Charp. 1837 — *Macrospira*, *Cochlycopa*, *Achatina* Swains. 1840. — De *Azecca* Leach diu dubitans haesi, donec praesertim ex cognitione *Achatinae tornatellinae* Lowe, inter *Achatinas* duce Rossmässler eam recipiendam, sectionemque dentatarum pro ea instituendam esse censuerim. (Conf. Pfr. in Zeitschr. f. Mal. 1846. p. 150.) — *Glandinas*, antea a me quoque generice distinctas, tanquam sectionem solummodo adoptavi, quia permultae species omnino intermediae existunt. — De genere *Priamo* Beckii, a plerisque huc relato, conferantur, quae exposui in descriptione *Achat. Priami* Meusch. (vol. II.)

## §. 15.

**XII. Gibbus Montfort.**

Testa transverse et profunde rimata vel perforata, triangularis, a latere compressa, margine aperturæ opposito in gibbum acutiusculam dilatata; apertura subtetragono-ovalis, marginibus parallelis, subaequalibus; perist. incrassatum.

*Gibbus* Montfort Conch. syst. II. p. 302.

— *Herrmannsen* ind. gen. Malac. I. p. 473.

Genus a Pupa non minus bene distinctum, quam *Streptaxis* et *Tomigerus* ab *Helice* et *Bulimo*. Species altera jamdudum nota primum a Pallas, Férussac, Dillwyn et Wood Helici, a Chemnitz et Gmelin Trocho, a Bruguière et Lamarck Bulimo, a Blainville Pupae, a Beck Gibbulinae, a Potiez et Michaud et Küster Pupae, a Sowerby Bulino inserta est, altera a Küstero figurata, bene distincta mihi videtur. (Descriptionem specierum conf. in vol. II.)<sup>1</sup>

## §. 16.

**XIII. Pupa Draparnaud.**

Testa rimata vel perforata, cylindrica, ovata vel bulimiformis; apertura subirregularis, semiovalis vel subrotundata, edentula vel dentata; perist. subsimplex vel expansum, marginibus aequalibus, subparallelis, distantibus, plerumque lamina callosa junctis. (Spec. vid. vol. II.)

*Pupa* Draparn. hist. p. 24 et 29. \*)

— *Lam.* hist. VI. 2. p. 403. ed. Desh. VIII. p. 165.

— *Reeve* Couch. syst. II. p. 74.

— *Küster* in Chemn. ed. II. vol. I. Sect. 15.

<sup>1</sup>) Quamvis genus Vértigo Mull., quod Pupae injunxi, prioritate gaudeat haud dubia, tamen hoc nomen anteponeere nolui, quia Mullerus animali generis sui duo modo tentacula expressissimis verbis postulat.

*Puppa Blainv.* in Dict. sc. nat. vol. 32. p. 206. Malac. p. 457.

*Vertigo Müll.* verm. II. p. 124.

(De reliquis auctoribus et synonymis conf. Herrmannsen ind. II.)

Genus a Draparnaud (praecedente Humphrey) bene constitutum, initio (1804. tabl.) Clausilias etiam complectens, serius (hist.) ab illis depuratum. Species, a veteribus Turbini, Trocho, Helici adscriptae, partem adhuc formant generis *Bulimi* Brug., deinde autem a Férussac eadem fere latitudine, quam hodie generi Pupae tribuo, in subgenere *Cochlodontae* enumeratae sunt. — E genere Draparnaudiano Cuvier sub nomine *Chondri* sejunxit species magis ovatas, inter se valde diversas, quarum plerasque (genus *Torquillae* Stud.) Pupis, alias (typum generis *Chondrulae* Beck) Bulimis adscribendam censeo. In eodem sensu genus vel subgenus *Chondri* a Charpentier, Hartmann\*) et aliis adoptatum est, Krynicki autem Chondrum tridentem Cuv. pro typo generis assumsit, speciesque huic affines *Chondro* adscripsit, quem mutato nomine (*Chondrulae*) secutus est Beck. — Praeterea genera et subgenera a Pupis segregata sunt sequentia: *Abida*, *Pupilla* Leach 1820 — *Alaea* Jeffr. 1820 — *Jaminia*, *Saraphia* (?) Risso 1826 — *Granaria*, *Orcula*, *Torquatella* Held 1837 — *Sphyradium* et *Chondrus* Agass. et Charp. 1837 — *Gibbulina*, *Pupilla*, *Vertigo*, *Alaea*, *Torquilla* Beck 1837 — *Goniodomus*, *Picadomus*, *Gonospira*, *Pupella*, *Eruca* Swains. 1840 — *Cylindrus*, *Sphyradium*, *Pupilla*, *Vertigo*, *Dontostoma* Hartm. 1840 — *Deloplecta* et *Hercodonta* Ag. teste Herrn. ind.

Genus *Vertiginis* Müll. Pupae injunxi, quia testae nullo modo distingui possunt. Animal Vertiginis revera 2 modo tentaculis bene conspicuis instructum est, existunt autem plures Pupae species minutae, quarum tentacula inferiora sensim minora observantur, donec tandem in Vertiginibus genuinis omnino inconspicua sint.

Mermet genera Pupae, Vertiginis, Clausiliae et Baleae sub nomine *Stomodontae* in uno genere comprehendere proposuit, quod minime laudandum.

#### §. 47.

#### XIV. *Cylindrella* L. Pfeiffer.

Testa cylindracea vel pupaeformis, multispira, plerumque truncata; apertura subcircularis; perist. expansum, continuum vel in speciebus anomalis (§. 7.) subinterruptum.

*Cylindrella* Pfr. in Wieg. Arch. 1840. I. p. 41.

— Pfr. Symb. I. p. 6. II. p. 136. III. p. 62.

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\*) Hartmann (1840. Syst. Uebers.) tria subgenera *Chondri* distinguit: *Chondrum*, *Torquillam* et *Astrodonam*, quorum species typicas non novi.



*Cylindrella* Pfr. in Phil. Abbild. I. 8. p. 179.

*Brachypus* Guild. in Zool. Journ. IV. 44. p. 167.

*Urocoptis*, *Brachypodella*, *Apoma* Beck ind.

*Siphonostoma* Guild. Swains. Malac. p. 168. 333.

Genus quoad formas typicas optime distinctum, attamen per formas anomalas Pupae et Bulimo approximatum. — Guilding primus 1828 speciem typicam novi generis *Brachypodis* descripsit, sed teste Swainson (Malac. p. 168.) hoc nomen Zoologis jam pluries usitatum serius reliquit et *Siphonostomatis* \*) nomen generi tribuit, quod eodem anno prelo publicatum est, quo ipse genus sub nomine *Cylindrellae* descripsi.

Species huc pertinentes a veteribus Buccino, Helici et Turbini, a Férussac Cochlodinae, a Lamarck et aliis Clausiliac et Cyclostomati, a Gray, Deshayes, Sowerby et aliis Pupae insertae sunt. — Beck eas in subgeneribus Pupae: *Urocoptis* et *Brachypodella* (*Brachypodisca* ex Agassizii emendatione) et in subgenere Clausiliac: *Apomate* dispersit. — Villa tandem species nonnullas Baleae, aliamque Torquillae inseruit. — Species hodie novi fere 50, in volumine II. descriptas.

#### §. 18.

#### XV. *Balea* Frid. mss. Gray.

Testa clausiliaeformis vel clavata, multispira; apertura semi-ovalis vel subpyriformis; perist. expansum, marginibus inaequalibus; paries aperturalis subuniplicatus; columella simplex (*Balea* genuina) vel transverse plicata (*Megaspira* Lea). Spec. vid. vol. II.

*Balea* Gray in Zool. Journ. I. 4. p. 64.

*Balea* Leach, Alder etc.

*Fusulus* Fitzinger syst. Verz. p. 105.

*Balia* Swains. Malac. p. 182. 334.

*Balea* et *Pyrgelix* Beck ind.

*Megaspira* Lea obs. II. p. 24.

Characteres vix adsunt, quibus hoc genus a Bulimis exacte dignosci possit, quare habitum et lamellam parietalem hic maximi momenti haberi necesse est. Habitus potius est Puparum et Clausiliarum; a Pupa autem marginibus aperturae inaequalibus, a Clausilia deficiente clausilio et plicis essentialibus facile distinguitur. *Megaspira* Lea characteribus modo specificis, nec vero genericis a *Balea* differt, quare hoc genus Baleae injunxi. — Species europaea jamdudum nota ab aliis Pupae, ab aliis Clausiliae adscripta est.

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\*) Nomen *Siphonostoma* etiam prius (1820.) a Cl. Otto (Act. Leopold. X.) generi novo Vermium Abranchorum jam impositum est.

## §. 19.

**XVI. Tornatellina Beck.**

Testa imperforata, ovata vel elongata; apertura semilunaris, marginibus inaequalibus, disjunctis; columella torta, truncata; paries aperturalis unilamellatus. (Spec. vid. vol. II.)

*Tornatellina* (subg. *Achatinae*) Beck ind. p. 80.

— *Pfr.* Symb. II. p. 5. 130. III. p. 60.

*Strobilus* (subg. *Clausiliae*) Anton Verz. p. 46.

*Elasmatina* Petit in Proc. Zool. Soc. 1843. p. 2.

Genus a praecedente vix distinguendum, et quidem eodem modo ambiguo, quo *Achatina* a *Bulimo* dignoscitur. Peristoma semper simplex et columella magis minusve truncata est. Lamella parietalis semper adest sicut in *Balea*, praeterea saepe plicae columellares et palatales uti in multis Pupae speciebus observantur. — *Tornatellina* turrita columellae truncatione obsoletiore intermedia videtur inter ambo genera.

## §. 20.

**XVII. Clausilia Draparnaud.**

Testa fusiformis, plerumque sinistrorsa; apertura elliptica vel pyriformis, semper lamellis 2 parietis aperturalis coarctata et clausilio in fundo clausa. (Spec. vid. vol. II.)

*Clausilia* Drap. hist. p. 24. 29.

— *Lam.* hist. VI. 2. p. 111. (ed. Desh. VIII. p. 195.)

— *C. Pfr.* Nat. I. p. 43. 60. III. p. 4. 62.

— *Pfr.* Symb. I. p. 6. II. p. 137. III. p. 62.

— *Reeve* Conch. syst. II. p. 77.

— *Küster* in Chemn. ed. II. vol. I. Sect. 14.

Genus praeter aperturae structuram propriam, de cujus singulis partibus in tractandis speciebus plura dicam, organo peculiari, *clausilio* dicto, jam ab O. F. Müller \*) bene descripto, ab omnibus Heliceis bene distinctum, tamen a pluribus auctoribus, etiam recentioribus, Pupae injunctum! Scriptores veteres species paucas tunc cognitae Buccino, Turbini et Helici — Bruguière

\*) Clarissimus Müller clausilium sic describit: «in imo anguli sinistri prospicitur ocellulus supra emarginatus candidissimus, hic, si testa caute frangitur, conspicitur esse lamella oblonga subarcuata, politissima, erecta, elastica, angulo altero inferiori insistens margine plicae sinistrae; supra hanc lamellam alia laevis elevata, ipsi testae adnata, et in latere dextro linea concentrica impressa.... Attendi meretur, quod apertura in quovis anteriorum anfractu larga, aperta et libera sit, et quod in ultimo adeo arcte quasi munimentis obstruatur, ut vix spatium exeundi limaci relinqui videatur, at huic necessitati cautum est, elasticitate lamellae, quae pressa a corpore exeuntis vel intrantis vermis plicae oppositae arcte adprimitur, ac libera resilit.» (Hist. verm. II. p. 447.) — Addendum solum est, clausilium non in omnibus esse emarginatum, sed formae variae.

et Olivier Bulimo inseruerunt. Subgenus *Cochlodina* Fér. (exclusis *Cylindrellae* speciebus) Clausiliae omnino respondet. Fleming species nonnullas olim in genere inepto *Odostomiae* enumeravit, et Mermet easdem generi *Stomodontae* injunxit. Praeterea subgenera a solo Hartmann proposita sunt sequentia: *Andraea*, *Delima*, *Dyodonta*, *Laciniaria*, *Papillifera*, *Plicaphora*, *Rupicola*. — De reliquorum auctorum sentiis conferatur Herrmannsen ind. I. p. 244.— 243.

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# MONOGRAPHIA

## HELICEORUM VIVENTIIUM.

### 1. Anostoma Fischer.

#### 1. *A. ringens* (Helix) Linn.

*T. imperforata*, rimata, suborbicularis, utrinque convexa, depressiuscula, glabra, albida, superne linea rubente cincta; anfr. 5 planulati, ultimus subcarinatus; apertura sursum reversa, lunaris, lamellis 2—3 intrantibus anfractus penultimi et dentibus 4—5 inaequalibus, complanatis, extus scrobicula formantibus coarctata; perist. undique late expansum, reflexiusculum. — Diam. maj. 38, min. 29, alt. 18 mill. (Mus. Cuming.)

*Helix ringens* Linn. syst. ed. X. p. 769. ed. XII. Nr. 664. p. 1243.

— — Chemn. IX. P. 4. p. 86. t. 109. f. 919. 920.

— — Wood ind. t. 33. f. 26.

— — (Helicodonta) Fér. pr. 443. Hist. t. 53. f. 3 — 5.

— — Blainv. in Dict. d. sc. nat. XX. p. 427.

*Tomogeres ringens* Montf. Conch. syst. II. p. 359. t. 90.

— — Pfr. Symb. II. p. 409.

*Tomogerus depressus* Blainv. Malac. p. 459. t. 39. f. 4.

*Anostoma depressa* Lam. 1. p. 404. ed. Dh. p. 452.

— *ringens* Sow. gen. VIII. 4.

— — Küst. Icon. moll. et test. P. II. Fasc. 4. t. 4. f. 4.

— — Beck ind. p. 34.

— — Reeve Conch. syst. II. t. 469. f. 4.

— — Chemn. ed. II. Helix t. 42. f. 5. 6.

*Angustoma resupinata* Schumacher p. 229.

*Anostoma depressum* Sow. Conch. Man. ed. II. p. 65. f. 274. 272.

— *depressa* Swains. Malacol. p. 329.

Lister t. 99. f. 100.

D'Argenville t. 28. f. 13. 14.

Habitat in insula Iamaica (Chemn.), in India maiore (Lam.)?  
Verosimiliter in Brasilia.

**2. A. globulosum Lamarck.**

T. depresso-globosa, albida, rufo-cingulata et maculata, irregulariter rugulosa; spira depresso-conoidea; anfr. 3 planiusculi, ultimus subcarinatus, sursum inversus, antice extus scrobiculatus; apertura supera, subhorizontalis, lamellis 6 albis callosis coarctata: 2 maximis in pariete aperturali, 3 majoribus et 4 minore in labro; perist. album, subincrassatum, reflexum, margine supero perforato. — Diam. maj.  $24\frac{1}{2}$ , min. 16, alt.  $12\frac{1}{2}$  mill. (Coll. Nr. 1.)

*Anostoma globulosa* Lam. 2. p. 102. ed. Dh. p. 153.

— — Crouch p. 28. t. 14. f. 18.

— — Beck ind. p. 34.

— — Reeve Conch. syst. II. t. 168. f. 2.

— *globulosum* Chemn. ed. II. Helix t. 104. f. 29—32.

*Helix ringicula* (Helicodonta) Fér. pr. 114. Hist. t. 53. f. 1. 2

— *globulosa* Guér. Iconogr. Moll. pl. 6. f. 2.

*Anastoma globulosa* Macgill. Conch. Text-book ed. VI. p. 106 t. 13. f. 25.

*Tomogerus globulosus* Pfr. Symb. II. p. 109.

Habitat in Brasilia.

**3. A. Boysii Benson.**

T. arcuato-rimata, compresso-conica, tenuis, laevigata, diaphana, pallide cornea; spira oblique conoidea, obtusiuscula; anfr. 3 convexi, ultimus antice arcuatim ad antepenultimi marginem superiorem ascendens; apertura subtriangulari-rotundata; perist. subsimplex, expansiusculum, marginibus lamina breviter soluta junctis. — Diam.  $3\frac{1}{2}$ , alt. 3 mill. (Coll. Nr. 2.)

*Anostoma Boysii* Benson in sched.

— — Chemn. ed. II. Helix t. 104. f. 25—28.

*Tomogeres Boysii* Pfr. Symb. III. p. 82.

Habitat in Bengalia. (Benevole communicavit Dr. v. d. Busch.)

**II. Tomigerus Spix.****1. T. clausus Spix.**

T. basi longe rimata, ovato-conica, compressa, solidiuscula, albida, lineis rufis cingulata; spira conica; anfr. 5, ultimus postice gibbus, irregulariter rugosus, ad aperturam constrictus, scrobiculatus; apertura axi parallela, triangularis, obverse subauriformis, lamellis 7 instructa: 3 in pariete aperturali, 3 subaequalibus in margine basali, 4 maxima, basi furcata in margine dextro; perist.

simplex, expansum. — Diam. maj.  $13\frac{1}{2}$ , min.  $7\frac{1}{2}$ , alt.  $10\frac{1}{2}$  mill. (Coll. Nr. 4.)

*Tomigerus clausus* Spix test. bras. t. 15. f. 4. 5.

— — Chemn. ed. II. Helix t. 104. f. 19—21.

*Tomogeres clausus* Pfr. Symb. III. p. 52.

— — Philippi Icon. II. 13. p. 134. Hel. t. 8. f. 14

*Helix clausa* Wagner in Spix p. 21.

— *gibberula* Burrow elem. of Conch. p. 188. t. 27. f. 3?

— *tomigera* Moric. Mém. Gen. VII. p. 439. — 3<sup>e</sup> suppl. p. 58. t. 5. f. 13—15.

*Bulinus clausus* Lam. ed. Dh. 73. p. 255.

*Scarabus clausus* Reeve in Ann. and mag. nat. hist. IX. p. 219. t. 4. f. 1.

*Anostoma Spixii* Beck ind. p. 34.

Habitat in provincia Bahia Brasiliae. (Pernambuco? Burrow.)

## 2. *T. turbinatus* Pfr.

T. rimata, compresso-turbinata, tenuis, levissime striatula, pallide cornea, nitidula; spira turbinata, acutiuscula; anfr. 5 convexi, ultimus spiram vix aequans, a latere compressus, basi subangulatus, antice ascendens, basi constrictus, scrobiculatus; apertura verticalis, subauriformis, fere clausa; perist. late expansum, tenue, margine dextro arcuato, intus lamina valida, superne bifida instructo, basali oblique descendente, tridentato; paries aperturalis lamellis 3 inaequalibus armatus. — Diam. maj. 44, min.  $7\frac{1}{2}$ , alt. 10 mill. (Coll. Nr. 2.)

*Tomogeres turbinatus* Pfr. in Proc. Zool. Soc. 1845. p. 45.

— — Phil. Icon. II. 13. p. 134. Hel. t. 8. f. 13.

*Auricula clausa* Pot. et Mich. gal. I. p. 204. t. 20. f. 11. 12.

*Helix tomigeroides* Moric. mém. 3<sup>e</sup> suppl. p. 59. t. 5. f. 10—12.

*Anostoma tomigera* Beck ind. p. 34.

*Tomigerus turbinatus* Chemn. ed. II. Helix t. 104. f. 22—24.

Habitat in provincia Bahia Brasiliae.

Obs. Differt a T. clauso testa tenui, laevigata, spira conica, anfractum ultimum superante, perist. tenui, non labiato.

## III. Streptaxis Gray.

### Conspectus specierum.

#### 1. Edentulae

a. subregulares . . . . . §. 1. Nr. 1—2.

β. genuinae . . . . . §. 2. — 3—12

2. Dente vel lamella 1 in pariete aperturali, peristomate edentulo . . . . . §. 3. — 13—17.

3. Pariete aperturali et peristomate dentatis vel lamellatis . . . . . §. 4. — 18—23.

## §. 4.

1. *St. subregularis* Pfr.

T. anguste umbilicata, turbinato-semiglobosa, superne confertim et oblique costata, lineis transversis obsolete decussata. hyalino-albida; spira turbinata, acutiuscula; anfr. 7 convexi, ultimus varicosus, vix devians, basi laevigatus; apertura obliqua, lunaris, edentula; perist. album, undique breviter reflexum, margine columellari dilatato. — Diam. maj. 24, min. 19, alt. 16 mill. (Mus. Cuming.)

*Streptaxis subregularis* Pfr. in Phil. Icon. II. 43. p. 427. Helix t. 8. f. 12.

— — Chemn. ed. II. Helix t. 101. f. 36 — 39.

Habitat . . . ?

Obs. Species II. Spixianae affinis, tamen ob structuram subirregularem et analogiam cum *Str. confusa* aliisque huic generi adnumeranda.

2. *St. alveus* Dunker.

T. perforata, turbinata, regulariter oblique costulata, tenuis, diaphana, corneo-albida; spira conica, acutiuscula; anfr. 10 vix convexiusculi, 2 ultimi vix deviantes, ultimus subangulatus, basi planulatus; apertura obliqua, edentula, lunato-ovalis; perist. simplex, margine supero perobliquo, dilatato, vix expanso, basali breviter reflexo. — Diam. maj. 10, min.  $8\frac{2}{3}$ , alt. 10 mill. (Coll. Nr. 4.)

*Streptaxis alveus* Dunker in Phil. Icon. II. 9. p. 6. Helix t. 6. f. 14.

— — Chemn. ed. II. Helix t. 101. f. 33 — 35.

Habitat in Brasilia.

## §. 2.

3. *St. nobilis* Gray.

T. rimata, ovata, tenuis, nitidula, albida; spira subregularis, conica, obtusiuscula; anfr.  $6\frac{1}{2}$  convexi, costulato-striati, ultimus antrorsum deviatus, basi inflata sublaevigatus; apertura subverticalis, semiovalis; perist. expansum, late reflexum. — Diam. maj. 25, min. 20, alt. 25 mill. (Spec. coll. Gray.)

*Streptaxis nobilis* Gray in Loud. mag. new ser. I. p. 484.

— — Wiegmann's Archiv 1838. II. p. 274.

— — Phil. Icon. I. 3. p. 48.

Habitat in Sierra Leone.

4. *St. Blandingiana* (Helix) Lea. †

semiglobosa, cornea, longitudinaliter striata, imperforata. compressa; anfr. 6; apertura oblique rotundata; labrum

incrassatum, reflexum; columella laevis. — Diam. 0,7, long. 0,8". (Lea.)

*Helix Blandingiana* Lea in Transact. Amer. phil. Soc. VII. p. 459 t. 12. f. 9.

— — *Phil. Icon.* I. 3. p. 49.

*Streptaxis Blandingiana* Pfr. Symb. II. p. 409.

Habitat in ripis fluvii St. Paul prope Liberia Africae.

Obs. «In speciminibus adultis umbilicus perfecte clausus est, plicamque exhibet reflexam.»

### 5. *St. rimata* Pfr.

T. rimata, subglobosa, tenuis, alba sub epidermide cornea; anfr. 6½ convexi, oblique striati, ultimus subtilissime striatus, basi oblique compressus, rimam transversalem loco umbilici formans (sicut in Scarabis); apertura obliqua, semicircularis; perist. vix incrassatum, expansum, margine columellari reflexo. — Diam. 20, alt. 20 mill. (Coll. v. d. Busch.)

*Streptaxis rimata* Pfr. in Zeitschr. f. Malak. 1847. p. 48.

— — *Chemn. ed. II. Helix* t. 101. f. 40.

Habitat . . . ?

### 6. *St. Dunkeri* Pfr.

T. rimata, ovato-globosa, pallide corneo-straminea, superne eleganter costulato-striata, lineis concentricis minutissimis decussata, basi convexa, excavata; spira elevata, conica, acutiuscula; anfr. 8 convexiusculi, ultimus lateraliter devians, basi laevigatus, nitidus, lineis impressis radiantibus, remotis notatus, antice gibbus, angustatus; apertura perobliqua, subtriangularis, edentula; perist. album, undique reflexum. — Diam. maj. 29, min. 24, alt. 20 mill. (Coll. Nr. 2.)

*Streptaxis Dunkeri* Pfr. in *Phil. Icon.* II. 9. p. 7. *Helix* t. 6. f. 15.

— — *Chemn. ed. II. Helix* t. 102. f. 1—3.

Habitat in Brasilia, prope Neu-Freiburg.

### 7. *St. contusa* (*Helix*) Férussac.

T. rimato-perforata, compresso-globosa, corneo-straminea, superne costulato-striata, minute decussata, basi convexiuscula, laevigata; spira depresso-turbinata; anfr. 7—8 convexiusculi, ultimus deorsum devians; apertura obliqua, subtriangulato-lunaris; perist. album, undique breviter reflexum. — Diam. maj. 24, min. 17, alt. 14 mill. (Coll. Nr. 3.)

*Helix contumdata* (Helicogena) Fér. prodr. N. 41.

— *contusa* Fér. prodr. p. 67. *Hist. t.* 34. f. 1. t. 39 B. f. 5. 6. (c. anim.)

*Helix contusa* Wood suppl. t. 7. f. 39.

— — *Lam.* ed. Dh. 156. p. 101.

— — *Phil.* Icon. I. 3. p. 10.

*Artemon contusus* Beck ind. p. 48.

*Streptaxis contusa* Gray in Loud. mag. new ser. I. p. 484.

— — *Sow.* Conch. Man. ed. II. p. 266. f. 269. 270.

— — *Phil.* Icon. II. 43. p. 127. *Helix* t. 8. f. 1.

— — *Chemn.* ed. II. *Helix* t. 102. f. 4—6.

Habitat in Brasilia.

### 8. *St. Reclusiana* (*Helix*) Petit.

T. rimata, oblique ovata, tenuis, diaphana, virenti-albida, superne confertim costulata; spira semiglobosa; anfr. 6—7 vix convexiusculi, ultimus basi laevigatus, nitidus, lateraliter devians; apertura oblongo-semiovalis, edentula; perist. album, margine dextro breviter expanso, sinistro reflexiusculo. — Diam. maj. 16, min. 12, alt. 10 mill. (Mus. Cuming.)

*Helix Reclusiana* Petit in Revue zool. 1841. p. 99.

— — *Phil.* Icon. I. 3. p. 48.

*Streptaxis Reclusiana* Pfr. Symb. II. p. 110.

— — *Phil.* Icon. II. 43. p. 128. *Helix* t. 8. f. 3.

— — *Chemn.* ed. II. *Helix* t. 102. f. 10—12.

Habitat in insulis Guineae.

### 9. *St. deplanata* Pfr.

T. rimato-subperforata, orbiculata, depressa, superne confertim costulato-striata, tenuis, diaphana, cerea; spira depressa, obtusa, apice subcentrali; anfr. 6½ vix convexiusculi, penultimus subgibbus, ultimus deorsum devians, basi planiusculus, laevigatus, nitidus; rima umbilicaris profunda, arcuata; apertura obliqua, semiovalis, edentula; perist. album, breviter expansum, reflexum, margine dextro antrorsum subarcuato. — Diam. maj. 11⅓, min. 10, alt. 6 mill. (Mus. Cuming.)

*Streptaxis deplanata* Pfr. in *Phil.* Icon. II. 9. p. 8. — II. 43. p. 128

*Helix* t. 8. f. 9.

— — *Chemn.* ed. II. *Helix* t. 102. f. 24—26.

Habitat . . . ?

### 10. *St. albida* Pfr.

T. subperforata, depresso oblonga, laevigata, albida; spira lateralis, obtusissima; anfr. 3 planulati, 2 ultimi antrorsum longe deviantes, ultimus depressus; apertura perobliqua, truncato-ovalis, edentula; perist. simplex, marginibus conniventibus, dextro

recto, antrorsum arcuato, columellari reflexiusculo. — Diam. maj. 8, min. 5, alt. 4 mill. (Mus. Cuming.)

*Streptaxis albida* Pfr. in Phil. Icon. II. 9. p. 7. — Ibid. II. 13. p. 128.

Helix t. 8. f. 5.

Habitat . . . ?

#### 11. *St. Candearna* Petit. †

T. subovalis, albida, nitida, perforata; anfr. 5 — 6 convexiusculi; apertura rotundata, edentula, breve reflexa; umbilicus parvus. — Long. 2, 2''', lat. 4, 8''' (P.)

*Helix Candearna* Petit in Revue zool. 1842. p. 177.

— — Phil. Icon. I. 3. p. 49.

*Streptaxis Candearna* Pfr. Symb. II. p. 109.

Habitat in Nova Granada.

#### 12. *St. deformis* (Helix) Férussac.

T. subperforata, depresso-ovata, striatula, nitida, virenti-hyalina; spira subelevata, valde excentrica; anfr. 5 — 5½ convexiusculi, ultimus antrorsum longe devians, basi planulatus, laevigatus; perforatio punctiformis; apertura subtriangulato-lunaris; perist. simplex, marginibus remotis, dextro antrorsum subarcuato, columellari incrassato, reflexiusculo. — Diam. maj. 6¾, min. 4¼, alt. 4 mill. (Coll. Nr. 4.)

*Helix deformis* (Helicogena) Fér. pr. 42. Hist. t. 32 A. f. 1.

— — Wood suppl. t. 7. f. 40.

— — Phil. Icon. I. 3. p. 48.

*Streptaxis deformis* Gray in Loud. mag. new ser. I. p. 484.

— — Phil. Icon. II. 13. p. 128. Helix t. 8. f. 2.

*Artemon deformis* Beck ind. p. 48.

Habitat in Brasilia. — (Ile de Goze: Fér.)

### §. 3.

#### 13. *St. ovata* Pfr.

T. perforata, ovata, tenuissima, superne confertim striata, pellucida, albido-virens; spira semiglobosa; anfr. 6½ convexi, ultimus inflatus, deorsum devians, juxta perforationem non perviam compressulus; apertura obliqua, truncato-ovalis, lamella dentiformi intrante parietis aperturalis munita; perist. simplex, album, marginibus subparallelis, dextro repando, breviter expanso, columellari reflexiusculo. — Diam. maj. 46, min. 42, alt. 40 mill. (Mus. Cuming.)

*Streptaxis ovata* Pfr. in Phil. Icon. II. 9. p. 8. — II. 13. p. 128.  
Helix t. 8. f. 4.

— — Chemn. ed. II. Helix t. 102. f. 7 — 9.

Habitat . . . ?



*Helix contusa* Wood suppl. t. 7. f. 39.

— — Lam. ed. Dh. 156. p. 101.

— — Phil. Icon. I. 3. p. 10.

*Artemon contusus* Beck ind. p. 48.

*Streptaxis contusa* Gray in Loud. mag. new ser. I. p. 484.

— — Sow. Conch. Man. ed. II. p. 266. f. 269. 270

— — Phil. Icon. II. 13. p. 127. Helix t. 8. f. 1.

— — Chemn. ed. II. Helix t. 102. f. 4—6.

Habitat in Brasilia.

### 8. *St. Reclusiana* (Helix) Petit.

T. rimata, oblique ovata, tenuis, diaphana, virenti-albida. superne confertim costulata; spira semiglobosa; anfr. 6—7 vix convexiusculi, ultimus basi laevigatus, nitidus, lateraliter devians; apertura oblongo-semiovalis, edentula; perist. album, margine dextro breviter expanso, sinistro reflexiusculo. — Diam. maj. 16, min. 12, alt. 10 mill. (Mus. Cuming.)

*Helix Reclusiana* Petit in Revue zool. 1841. p. 99.

— — Phil. Icon. I. 3. p. 48.

*Streptaxis Reclusiana* Pfr. Symb. II. p. 110.

— — Phil. Icon. II. 13. p. 128. Helix t. 8. f. 3.

— — Chemn. ed. II. Helix t. 102. f. 10—12.

Habitat in insulis Guineae.

### 9. *St. deplanata* Pfr.

T. rimato-subperforata, orbiculata, depressa, superne confertim costulato-striata, tenuis, diaphana, cercea; spira depressa, obtusa, apice subcentrali; anfr. 6½ vix convexiusculi, penultimus subgibbus, ultimus deorsum devians, basi planiusculus, laevigatus, nitidus; rima umbilicaris profunda, arcuata; apertura obliqua, semiovalis, edentula; perist. album, breviter expansum, reflexum, margine dextro antrorsum subarcuato. — Diam. maj. 41½, min. 40, alt. 6 mill. (Mus. Cuming.)

*Streptaxis deplanata* Pfr. in Phil. Icon. II. 9. p. 8. — II. 13. p. 128

Helix t. 8. f. 9.

— — Chemn. ed. II. Helix t. 102. f. 24—26.

Habitat . . . ?

### 10. *St. albida* Pfr.

T. subperforata, depresso oblonga, laevigata, albida; spira lateralis, obtusissima; anfr. 5 planulati, 2 ultimi antrorsum longe deviantes, ultimus depressus; apertura perobliqua, truncato-ovalis, edentula; perist. simplex, marginibus conniventibus, dextro

recto, antrorsum arcuato, columellari reflexiusculo. — Diam. maj. 8, min. 5, alt. 4 mill. (Mus. Cuming.)

*Streptaxis albidu* Pfr. in Phil. Icon. II. 9. p. 7. — Ibid. II. 13. p. 128.

Helix t. 8. f. 5.

Habitat . . . ?

#### 11. *St. Candeeana* Petit. †

T. subovalis, albida, nitida, perforata; anfr. 5 — 6 convexiusculi; apertura rotundata, edentula, brevis reflexa; umbilicus parvulus. — Long. 2, 2''' , lat. 1, 8''' . (P.)

*Helix Candeeana* Petit in Revue zool. 1842. p. 177.

— — Phil. Icon. I. 3. p. 49.

*Streptaxis Candeeana* Pfr. Symb. II. p. 109.

Habitat in Nova Granada.

#### 12. *St. deformis* (Helix) Férussac.

T. subperforata, depresso-ovata, striatula, nitida, virenti-hyalina; spira subelevata, valde excentrica; anfr. 5 — 5½ convexiusculi, ultimus antrorsum longe devians, basi planulatus, laevigatus; perforatio punctiformis; apertura subtriangulato-lunaris; perist. simplex, marginibus remotis, dextro antrorsum subarcuato, columellari incrassato, reflexiusculo. — Diam. maj. 6½, min. 4½, alt. 4 mill. (Coll. Nr. 4.)

*Helix deformis* (Helicogena) Fér. pr. 42. Hist. t. 32 A. f. 1.

— — Wood suppl. t. 7. f. 40.

— — Phil. Icon. I. 3. p. 48.

*Streptaxis deformis* Gray in Loud. mag. new ser. I. p. 484.

— — Phil. Icon. II. 13. p. 128. Helix t. 8. f. 2.

*Artemon deformis* Beck ind. p. 48.

Habitat in Brasilia. — (Ile de Goze : Fér.)

#### §. 3.

#### 13. *St. ovata* Pfr.

T. perforata, ovata, tenuissima, superne confertim striata, pellucida, albido-virens; spira semiglobosa; anfr. 6½ convexi, ultimus inflatus, deorsum devians, juxta perforationem non perviam compressulus; apertura obliqua, truncato-ovalis, lamella dentiformi intrante parietis aperturalis munita; perist. simplex, album, marginibus subparallelis, dextro repando, breviter expanso, columellari reflexiusculo. — Diam. maj. 16, min. 12, alt. 40 mill. (Mus. Cuming.)

*Streptaxis ovata* Pfr. in Phil. Icon. II. 9. p. 8. — II. 13. p. 128.

Helix t. 8. f. 4.

— — Chemn. ed. II. Helix t. 102. f. 7 — 9.

Habitat . . . ?

14. *St. Souleyetiana* (Helix) Petit.

T. umbilicato-rimata, ovato-depressa, luteo-virens, superne confertim costulato-striata, lineis spiralibus obsolete decussata: spira lateralis, obtusa; anfr. 6 — 7 vix convexiusculi, penultimus subangulatus, ultimus antrorsum devians, basi glaber, nitidus, antice constrictus; umbilicus latiusculus, clausus; apertura truncato-ovalis; perist. album, breviter expansum, marginibus conniventibus, callo tenui, lamellam intrantem mediocrem emittente junctis. — Diam. maj. 13, min. 9, alt. 6½ mill. (Mus. Cuming.)

*Helix Souleyetiana* Petit in Revue zool. 1844. p. 99.

— — *Phil.* Icon. I. 3. p. 48.

*Streptaxis Souleyetiana* Pfr. Symb. II. p. 110.

— — *Phil.* Icon. II. 43. p. 130. Helix t. 8. f. 6.

— — *Chemn.* ed. II. Helix t. 102. f. 21 — 23.

Habitat in insulis Sechellis.

15. *St. Mangerae* Gray.

T. vix perforata, transverse oblonga, laevigata, pellucida, albida; anfr. 5, primi 4 regulares, planiusculi, ultimus obliquissime deviat; apertura truncato-ovalis; perist. simplex, brevissime reflexum, marginibus callo tenui, unidentato junctis. — Diam. maj. 14, min. 7½, alt. 5 mill. (Spec. coll. Gray.)

*Streptaxis Mangerae* Gray in Loud. mag. new ser. I. p. 484.

— — *Wieg.* Arch. 1838. II. p. 274.

— — *Phil.* Icon. I. 3. p. 48.

Habitat in Sierra Leone.

16. *St. Petiti* Gould.

T. umbilicata, depresso ovata, tenuis, pellucida, virescenti-albida, superne confertim costulato-striata; spira lateralis, acutiuscula; anfr. 7 convexiusculi, penultimus subangulatus, ultimus antrorsum devians, basi glaber; umbilicus angustus, non pervius; apertura perobliqua, truncato-oblonga, lamella modiocri, simplice, intrante parietis aperturalis coarctata; perist. late expansum, reflexum, marginibus subparallelis, dextro antrorsum arcuato, medio subincrassato, sinistro strictiusculo. — Diam. maj. 40, min. 7, alt. 6 mill. (Mus. Cuming.)

*Streptaxis Petiti* Gould in Bost. journ. IV. 4. p. 456. t. 24. f. 7.

— — *Phil.* Icon. II. 43. p. 130. Helix t. 8. f. 44.

Habitat in imperio birmano prope Tavoy.

17. *St. comboides* (Helix) Orbigny.

T. perforata, depresso-ovata, striatula, glabra, nitida, cerea: spira lateralis, obtusa; anfr. 6 — 7 vix convexiusculi, ultimus antrorsum devians, antice rotundatus: perforatio mediocris, non

pervia; apertura perobliqua, irregulariter semiovalis, lamella intrante parietis aperturalis coarctata; perist. album, late expansum, reflexum, margine supero antrorsum arcuato, obtuse unidentato, basali medio obsolete incrassato. — Diam. maj.  $10\frac{1}{2}$ , min. 7, alt. 6 mill. (Mus. Cuming.)

*Helix comboides* Orb. synops. in Guér. mag. Moll. N. 64.

— — Orb. voy. p. 233. t. 23. f. 44—48.

— — Petit in Revue zool. 1842. p. 175.

— — Phil. Icon. I. 3. p. 48.

*Streptaxis comboides* Gray in Loud. mag. new ser. I. p. 484.

— — Phil. Icon. II. 43. p. 129. Helix t. 8. f. 10.

— — Chemn. ed. II. Helix t. 102. f. 13—16.

*Artemon comboides* Beck ind. p. 48.

Habitat in provincia Chiquitos Boliviae.

#### §. 4.

##### 18. *St. dejecta* (*Helix*) Petit.

T. perforata, ovato-globosa, tenuis, striatula, nitida, succineo-albida; spira obliqua, turbinata; anfr.  $6\frac{1}{2}$  planiusculi, 2 ultimi deviati, excavationem infundibuliformem formantes; apertura lunato-ovalis, tridentata; perist. reflexum, marginibus callo filiformi, medio dentem lamelliformem intrantem emittente junctis, dextro et basali unidentatis. — Diam. maj.  $7\frac{1}{2}$ , min. 5, alt. 5 mill. (Coll. Nr. 5.)

*Helix dejecta* Petit in Revue zool. 1842. p. 176.

— — Phil. Icon. I. 3. p. 49.

— — *comboides* var. Moric. Mém. Gen. VII. p. 417.

*Streptaxis dejecta* Pfr. Symb. II. p. 110.

— — Phil. Icon. II. 9. p. 7. Helix t. 6. f. 17.

— — Chemn. ed. II. Helix t. 102. f. 17—20.

*Artemon dejectus* Beck ind. p. 48.

Habitat in provincia Bahia Brasiliae.

##### 19. *St. Perroteti* (*Helix*) Petit. †

T. subglobosa, albida, nitida, substriata, umbilicata; spira prominula; anfr. 6 semiconvexusculi; apertura personata; labrum posterius coarctatum, superne emarginatum, anterius subtruncatum, intus tridentatum; columella bilamellata. — Long. 8, lat. 5, alt. 4 mill. (Petit.)

*Helix Perroteti* Petit in Revue zool. 1841. p. 100.

— — Phil. Icon. I. 3. p. 48.

*Streptaxis Perroteti* Pfr. Symb. II. p. 110.

Habitat in India orientali.

**20. St. Troberti (Helix) Petit. †**

T. subglobosa, albida, polita, lucida, perforata; spira obtusa: anfr. 6; apertura posterius coarctata; columella lamina alba intus decurrente insculpta; labrum subquadratum, album, reflexum, basi dentibus 2 parvulis geminatis instructum. — Long. 6. lat. 4. alt.  $2\frac{1}{4}$  mill. (Petit.)

*Helix Troberti* Petit in Revue zool. 1844. p. 100.

— — *Phil. Icon.* I. 3. p. 49.

*Streptaxis Troberti* Pfr. Symb. II. p. 110.

Habitat in Guinea.

**21. St. distorta (Helix) Jonas.**

T. perforata, depresso-ovata, cerea, tenuiuscula, diaphana. superne confertissime arcuato-striata; spira lateralis, obtusa: sutura submarginata; anfr.  $5\frac{1}{2}$  vix convexiusculi, ultimus infra penultimum devians, laevigatus, nitidus, antice carinato-compres-sus; apertura oblonga, subauriformis, antice canaliculata, lamella intrante parietis aperturalis coarctata; perist. album, reflexum. marginibus subparallelis, dextro stricto, sinistro arcuato, basi dente extus scrobiculum formante munito. — Diam. maj.  $40\frac{1}{2}$ . min. 6, alt. 5 mill. (Mus. Cuming.)

*Helix distorta* Jonas in *Phil. Icon.* I. 3. p. 48. *Helix* t. 3. f. 3.

*Streptaxis distorta* Pfr. Symb. III. p. 52.

Habitat in Guinea (Jonas), in insula Rodriguez (teste Mus. Cum.).

**22. St. pyriformis Pfr.**

T. rimato-perforata, depresso pyriformis, tenuis, superne confertim striata, diaphana, cerea; spira lateralis, obtusa; anfr.  $5\frac{1}{2}$  subplanulati, penultimus dilatatus, subgibbus, ultimus antrorum valde devians, basi laevigatus, antice compressus, utrinque scrobiculatus; umbilicus rimam profundam exhibens, non pervius; apertura subtetragona, lamella triangulari, intrante, basi bifida coarctata; perist. reflexiusculum, album, marginibus strictiusculis, parallelis, sinistro et basali unidentatis, dextro dente 4 marginali et altero profundiore munito. — Diam. maj. 40, min.  $6\frac{1}{2}$ , alt. 5 mill. (Mus. Cuming.)

*Streptaxis pyriformis* Pfr. in *Phil. Icon.* II. 9. p. 8. — II. 13. p. 129. *Helix* t. 8. f. 8.

— — *Chemn.* ed. II. *Helix* t. 102. f. 31—34

Habitat in insula Rodriguez.

**23. St. aberrata (Helix) Souleyet.**

T. perforata, ovato-globosa, subtilissime arcuato-striata. nitida, pellucida, albido-virescens; spira lateralis, convexa, obtusiuscula; sutura submarginata; anfr. 6—7 vix convexiusculi, ultimus

antrorsum devians, antice et circa perforationem compressus. scrobiculatus; apertura semiovalis, ringens, lamella linguaeformi intrante, curvata parietis aperturalis coarctata; perist. carneum, late reflexum, dentibus 5 marginem non attingentibus munitum, margine dextro antrorsum arcuato. — Diam. maj. 40, min.  $6\frac{1}{2}$ , alt.  $5\frac{1}{2}$  mill. (Mus. Cuming.)

*Helix aberrata* Soul. Petit in Revue zool. 1844. p. 104.

— — Phil. Icon. I. 3. p. 49.

*Streptaxis aberrata* Pfr. Symb. II. p. 109.

— — Phil. Icon. II. 43. p. 129. Helix t. 8. f. 7.

— — Chemn. ed. II. Helix t. 102. f. 27—30.

Habitat in Cochinchina.

Obs. Hel. Dussumieri Fér. in Mus. Paris et contusula Fér., huc spectantes mihi ignotae sunt. — Praeterea Artemon planulatus Beck (e Bras.), A. bifrons, protractus et cylinder Beck (e Guinea) huic generi adnumerandi videntur.

#### IV. *Odontostoma* Orbigny.

##### 1. *O. eolium* (Carocolla) Duclos. †

T. imperforata, subsemiglobosa, carinata, superne leviter conica, scabriuscula, infra carinam acutam inflata, glaberrima, rubra; anfr.  $5\frac{1}{2}$  angusti, ultimus magnus; columella basi unidentata; apertura subtriangularis, coarctata: dentibus 2 lamelliformibus ad ventrem anfractus penultimi, 3 parallelis marginem dextrum fere attingentibus; perist. simplex, acutum. — Diam. maj. 25, min.  $24\frac{1}{2}$ , alt. 43 mill. (Ex icone speciminis unici in collectione Dupontiae.)

*Carocolla eolina* Duclos in Guérin. mag. 1834. t. 30.

*Helix eolina* (Helicodonta) Féruss. in Bull. zool. 1835. p. 42.

— — Chemn. ed. II. Helix t. 100. f. 40. 41.

Habitat in imperio mexicano teste Férussac.

##### 2. *O. globulosum* Orbigny. †

T. orbiculato-globulosa, laevigata, nitida, lutea; spira brevis, convexa, apice obtusa; anfr. 5 contigui; apertura semilunaris; labrum acutum; columella incrassata, bilamellata. — Diam. 4, alt.  $3\frac{1}{2}$  mill. (O.)

*Odontostoma globulosa* Orb. moll. cub. I. p. 239. t. 48. f. 8—11.

Habitat in interiore insulae Cubae.

##### 3. *O. depressum* Orbigny. †

T. orbiculato-depressa, tenuis, diaphana, laevigata, nitida, lutescens; spira convexiuscula, brevis, apice obtusa; anfr. 6 con-

tigui, plani; sutura complanata; apertura semilunaris; labrum tenue, acutum; columella incrassata, impressa, bilamellata. — Diam. 5, alt. 3 mill. (O.)

*Odontostoma depressa* Orb. cub. I. p. 238. t. 18. f. 4—7. \*)

Habitat in interiore insulae Cubae (Sagra, Orb.).

#### 4. *O. allognotum* (*Proserpina*) Jonas.

T. orbiculato-discoidea, depressa, supra aequae ac infra convexiuscula, glabra, nitida, alba; callus basalis circularis; anfr. 6 planulati, suturis parum distincti, ultimus obtuse carinatus; apertura semilunaris, transversa, dentibus 5 linguiformibus intus coarctata; labrum simplex, acutum. — Diam. 3<sup>'''</sup>. (Jon.)

*Helicina linguifera* Jonas in Wiegmann. Arch. 1839. I. p. 344.

*Proserpina allognota* Jonas in Zeitschr. f. Mal. 1846. p. 12.

*Helix* . . . . *Fér.* hist. Fasc. 34. t. 4. f. 13?

Habitat . . . ?

#### 5. *O. nitidum* Goulding.

T. imperforata, depressa, subdiscoidea, nitidissima, succinea vel fulva; spira subplanulata; anfr. 6 celeriter accrescentes, sutura lineari, marginata distincti, ultimus latus, depressus, basi vix convexiusculus, medio callosus; apertura subtriangularis, lamellis 4 coarctata, 4 maxima in ventre anfractus penultimi, secunda, subtorta, valida ad columellam, 2 parallelis in basi anfractus ultimi; perist. simplex, acutum. — Diam. maj. 9, min. 8, alt. 4 mill. (Coll. Nr. 4.)

*Proserpina nitida* Guild. mss. (in sched. Cuming.)

— — *Sow.* Conch. Man. ed. II. p. 237. f. 274.

*Helix Proserpina* Pfr. in Zeitschr. f. Mal. 1845. p. 84.

— — *Chemn.* ed. II. *Helix* t. 100. f. 12—15.

Habitat in insula Jamaica.

#### 6. *O. opalinum* (*Helix*) Adams.

T. imperforata, depressa, nitidissima, virenti-vitrea; spira planiuscula; anfr. 4½ planulati, ultimus depressus, basi excavatus; apertura obliqua, lunaris, lamella spirali elevata, extus in basi conspicua et marginem attingente coarctata; perist. simplex, acu-

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\*) An eadem species? T. discoidea, nitida; spira planiuscula; anfr. 3½ celeriter crescentes, ultimus basi convexiusculus, callo tenui, diffuso obductus; columella basi dentata; apertura obliqua, lunata, plica unica spirali, acuta in anfractu penultimo prope dentem columellarem posita, ad orificium usque porrigente coarctata; perist. simplex, superne dilatatum. — Diam. 5, alt. 2½ mill. — *Helicina ptychostoma* Pfr. in Mus. Berol. inedit. — Misit E. Otto ex insula Cuba, ubi legit in districto Callajabas.

tum, ad columellam subcallosum. — Diam. maj. 6, min.  $5\frac{1}{2}$ , alt.  $2\frac{1}{4}$  mill. (Coll. Nr. 2.)

*Helix hyalina* Adams olim in sched.

— *opalina* Adams in Proc. Bost. Soc. 1843. Jan. p. 16. \*

— *margarita* Pfr. in Zeitschr. f. Mal. 1845. Jun. p. 83.

— — Chemn. ed. II. Helix t. 100. f. 24—27.

Habitat in insula Jamaica.

## V. *Helix* Linn. emend.

(inclusa *Nanina*).

### *Conspectus specierum.*

A. *Helicophantoideae*: t. vesicali, transverse oblonga, spira brevi, anfractibus paucis, rapide crescentibus, ultimo permagno, dilatato.

1. *Umbilicatae*. . . . . §. 1. Nr. 1.

2. *Perforatae vel imperforatae* . . . . . §. 2. — 2—7.

B. *Genuinae*:

I. *Peristomate recto*

1. *incrassato*.

a. *Ecarinatae* . . . . . §. 3. — 8—11.

b. *Carinatae* . . . . . §. 4. — 12—16.

2. *simplice, acuto*.

a. *Imperforatae*

α. *ecarinatae*

\* *globosae* . . . . . §. 5. — 17—32.

\*\* *subturbinatae* . . . . . §. 6. — 33—39.

\*\*\* *depressae* . . . . . §. 7. — 40—47.

β. *carinatae* . . . . . §. 8. — 48—63.

b. *Perforatae vel angustissime umbilicatae*

α. *globosae* . . . . . §. 9. — 64—71.

β. *subturbinatae*

\* *ecarinatae* . . . . . §. 10. — 72—97.

\*\* *carinatae* . . . . . §. 11. — 98—104.

γ. *depressae*

\* *ecarinatae*

† *laevigatae vel substriatae* §. 12. — 102—134.

\*) T. parva, perdepressa, supra convexa, diaphana, nitida, pallide cornea, exilissime striata, infra indentata, haud umbilicata; anfr. 5, supra a linea subaureali impressis; apertura infra carina candida intus decurrente calloque umbilicari candido instructa; labro tenui. — Div. 445°. Alt. 0,435, lat. max. 0,3, lat. min. 0,26 poll. (Adams l. c.)



- †† costulatae, plicatae vel rugoso-striatae . . . §. 13. Nr. 135—147
      - ††† decussatae . . . §. 14. — 148—166
      - †††† granulatae vel pilosae . . §. 15. — 167—170
      - \*\* carinatae . . . §. 16. — 171—197
    - c Umbilicatae
      - α ecarinatae
        - \* globosae . . . §. 17. — 198—202
        - \*\* turbinatae . . . §. 18. — 203—212
        - \*\*\* depressae,
          - † spira convexuscula vel convexa.
            - 1. laevigatae aut striatulae . §. 19. — 213—244
            - 2. costulato-striatae vel costatae . . . §. 20. — 245—269
            - 3. decussatae . . . §. 21. — 270—276
          - †† spira plana . . . §. 22. — 277—302
      - β. carinatae
        - \* trochiformes vel conoideae . . §. 23. — 303—311
        - \*\* lenticulares . . . §. 24. — 312—328
    - 3. intus labiato.
      - a. Latissime umbilicatae . . . §. 25. — 329—337
      - b. Mediocriter umbilicatae v. subimperforatae
        - α. corneae
          - \* simpliciter labiatae . . . §. 26. — 338—385
          - \*\* calloso- vel denticulato-labiatae §. 27. — 386—392
        - β. calcareae
          - \* ecarinatae
            - † globosae . . . §. 28. — 393—406
            - †† depresso-turbinatae . . . §. 29. — 407—415
            - ††† depressae . . . §. 30. — 416—440
          - \*\* carinatae
            - † depressae
              - 1. umbilicatae . . . §. 31. — 441—452
              - 2. subimperforatae . . . §. 32. — 453—455
            - ††† conicae . . . §. 33. — 456—467
      - 4. intus lamellato.
        - a. Lamellis modo in margine basali . . §. 34. — 468—476
        - b. Apertura utrinque lamellata . . . §. 35. — 477—484
        - c. Lamellis modo in pariete aperturali . . §. 36. — 482—484
    - 5. soluto continuo.
      - a. Depressae . . . §. 37. — 485—498
      - b. Trochiformes . . . §. 38. — 489—493
- II. Perist. superne recto, margine basali in-crassato vel reflexo.
  - 1. Ecarinatae
    - a. imperforatae . . . §. 39 — 494—498

b. subobtectae perforatae . . . . .	§. 40. Nr. 499—505.
c. mediocriter umbilicatae . . . . .	§. 44. — 506—516.
d. late umbilicatae . . . . .	§. 42. — 517—526.
2. Carinatae	
a. late umbilicatae . . . . .	§. 43. — 527—535.
b. mediocriter umbilicatae . . . . .	§. 44. — 536—561.
c. subobtectae perforatae . . . . .	§. 45. — 562—570.
d. imperforatae . . . . .	§. 46. — 571—577.
III. Peristomate expanso vel reflexo.	
1. Exumbilicatae	
a. edentulae	
α. bulimoidae . . . . .	§. 47. — 578—586.
β. conoideae vel ovato-globosae . . . . .	§. 48. — 587—601.
γ. trochiformes	
* ecarinatae . . . . .	§. 49. — 602—609.
** carinatae . . . . .	§. 50. — 610—616.
δ. subglobosae v. globoso-turbinatae	
* subumbilicatae vel obtectae per-	
foratae . . . . .	§. 51. — 617—632.
** imperforatae . . . . .	§. 52. — 633—670.
ε. globoso-depressae	
* intus non labiatae . . . . .	§. 53. — 671—709.
** intus labiatae	
† imperforatae . . . . .	§. 54. — 710—737.
†† obtectae perforatae . . . . .	§. 55. — 738—761.
ζ. depressae carinatae	
* obtectae perforatae . . . . .	§. 56. — 762—768.
** imperforatae . . . . .	§. 57. — 769—787.
b. dentatae	
α. imperforatae . . . . .	§. 58. — 788—816.
β. obtectae perforatae . . . . .	§. 59. — 817—829.
2. Umbilicatae	
a. globosae . . . . .	§. 60. — 830—844.
b. trochiformes . . . . .	§. 61. — 845—861.
c. globoso-depressae	
a. edentulae	
* intus non labiatae . . . . .	§. 62. — 862—885.
** intus labiatae . . . . .	§. 63. — 886—899.
β. dentatae . . . . .	§. 64. — 900—902.
d. depressae	
a. intus labiatae	
* ecarinatae :	
† marginibus distantibus . . . . .	§. 65. — 903—916.
†† marginibus conniventibus . . . . .	§. 66. — 917—950.
††† marginibus continuis . . . . .	§. 67. — 951—961.
** carinatae . . . . .	§. 68. — 962.

$\beta$ . intus non labiatae

## \* ecarinatae

## † spira convexa

1. edentulae . . . . . §. 69. Nr. 963—985.

2. dentatae . . . . . §. 70. — 986—997.

†† spira plana vel concava . §. 71. — 998—1016.

## \*\* carinatae

† edentulae . . . . . §. 72. — 1017—1035.

†† dentatae . . . . . §. 73. — 1035—1050.

## IV. Peristomate angulatim reflexo, arctispirae.

## 1. Pervio-umbilicatae,

## a. umbilico lato.

 $\alpha$ . Edentulae . . . . . §. 74. — 1051—1056. $\beta$ . Lamellatae . . . . . §. 75. — 1057—1061. $\gamma$ . Dentatae . . . . . §. 76. — 1062—1070.

b. umbilico mediocri . . . . . §. 77. — 1071—1083.

2. Oblique et impervie umbilicatae . . . §. 78. — 1084—1088.

3. Obtecte perforatae . . . . . §. 79. — 1089—1096.

V. Species dubiae vel sedis incertae . . . §. 80. — 1097—1132.

## §. 1.

1. *H. Falconeri* Reeve.

T. profunde umbilicata, ovata, tenuis, vesicularis, pallide brunnea, fasciis maculisque prope suturam saturationibus ornata; spira parvula, obtusiuscula; anfr. 4 convexi, rapide accrescentes, ultimus valde inflatus, minutissime granulatus, antice declivis, circa umbilicum magnum infundibuliformem subcompressus; apertura lunato-oblonga, intus margaritacea; perist. rectum, marginibus callo tenuissimo junctis, columellari valde dilatato, reflexo. — Diam. maj. 70, min. 54, alt. 44 mill. (Mus. Cuming.)

*Helicophanta Falconeri* Reeve mss. Gray in Proc. Zool. Soc. 1834. p. 63.

— — Müll. synops. p. 3.

*Helix Falconeri* Reeve Conch. syst. II. t. 463. f. 4.

— . . . . Fér. hist. t. 40 A. f. 4—3.

*Eurycratera Falconeri* Beck ind. p. 45.

Habitat in Nova Hollandia.

## §. 2.

2. *H. cornu giganteum* Chemnitz.

T. perforata, tenuiuscula, minute et irregulariter oblique sculpta, rugulosa, sub epidermide castanea vel olivacea, decidua pallide rufescens; spira vix elevata; anfr. 4 rapidissime accrescentes, ultimus permagnus, ad peripheriam costis nonnullis vix ele-

vatis cinctus, basi planiusculus; apertura perobliqua, ovalis; perist. incrassatum, subreflexum, marginibus callo crasso angulatum junctis, columellari dilatato, perforationem fere tegente. — Diam. maj. 77, min. 59, alt. 34 mill. (Coll. Nr. 4.)

*Helix cornu giganteum* Chemn. Conch. Cab. XI. p. 247. t. 208. f. 2051. 52.

— — — Voigt in Cuvier Thierr. III. p. 76.

— — — (Helicophanta) Fér. pr. 4. Hist. t. 40. f. 3.

— — — Chemn. ed. II. Helix p. VIII et 28. N. 4. t. 2. f. 8. 9.

— *cornu* Wood ind. t. 32. f. 6.

— *vesicalis* Lam. 4. p. 65. ed. Dh. p. 27.

*Helicophanta cornu giganteum* Beck ind. p. 46

*Leiotoma vesicalis* Swains. Malac. p. 328.

Habitat in Nova Seelandia et insulis oceani pacifici? (Chemn.), in insula Madagascar (Fér., Lam.), in Promontorio Bonae Spei Gray in Rev. zool. 1844. p. 375.)

### 3. *H. jamaicensis* Chemnitz.

T. imperforata, subglobosa, striis incrementi obsoletis, lineisque impressis obliquis confertissimis subreticulata, rufo-castanea, albo-zonata; spira parvula, brevis, obtusa; sutura linearis; anfr.  $3\frac{1}{2}$ , summi plani, ultimus permagnus, inflatus; apertura lunato-ovalis; perist. incrassatum, expansum, marginibus callo tenui junctis. — Diam. maj. 63, min. 48, alt. 37 mill. (Coll. Nr. 2.)

*Helix* (terrestris) *jamaicensis* Chemn. IX. P. 2. p. 415. t. 429. f. 4440. 44.

— *jamaicensis* Gmel. 234. p. 3644.

— — (Helicogena) Fér. pr. 20. Hist. t. 9 B. f. 40 t. 44. f. 6—9.

— — Voigt in Cuv. Thierr. III. p. 48.

— — Chemn. ed. II. Helix N. 2. p. VII. t. 4. f. 7 8

— *pulla* Gmel. 413. p. 3650.

— — Lam. 5. p. 66. ed. Dh. p. 29.

— — Küst. in Chemn. ed. II. Helix p. 26.

*Eurycratera jamaicensis* Beck ind. p. 45.

*Leiotoma jamaicensis* Swains. Malac. p. 328.

Lister t. 42. f. 40.

Knorr Vergnüg. I. p. 29. t. 21. f. 3.

Habitat in insula Jamaica.

### 4. *H. magnifica* Férussac.

T. imperforata, oblique ovata, tenuis, granulato-striata, fulva, fasciis plurimis angustis rufis, nonnullisque latis nigricantibus ornata; anfr.  $3\frac{1}{2}$  rapidissime accrescentes, ultimus inflatus; aper-

tura perobliqua, ampla, elongato-ovalis, intus margaritacea, fasciis perluentibus; columella brevis, subrecta; perist. subincrassatum. fuscum, marginibus callo tenui junctis, columellari dilatato. — Diam. maj. 67, min. 47, alt. 37 mill. (Coll. Nr. 3.)

*Helix magnifica* (Helicophanta) Fér. pr. 5. Hist. t. 40. f. 4.

— — Voigt in Cuv. Thierr. III. p. 77.

— — Chemn. ed. II. Helix N. 536. t. 86. f. 4. 2.

— *polyzonalis* Lam. 3. p. 66. ed. Dh. p. 28.

*Helicophanta polyzonalis* Beck ind. p. 46.

Habitat in insula Madagascar.

### 5. *H. Goudotiana* Férussac.

T. imperforata, depresso-ovata, tenuiuscula, undique minute granulata, rufa, nigricante bifasciata; spira parvula, semiglobosa: anfr.  $4\frac{1}{2}$  convexiusculi, rapidissime accrescentes, ultimus inflatus: apertura obliqua, lunato-oblonga, intus margaritacea; perist. album, subincrassatum, breviter expansum, marginibus callo tenui junctis, dextro subarcuato, columellari superne valde dilatato, explanato. — Diam. maj. 64, min. 40, alt. 40 mill. (Mus. Cuming. et Gruner.)

*Helix Goudotiana* Fér. in Mus. Paris.!

— — Fér. hist. t. 40 A. f. 4—6.

— — Pfr. in Zeitschr. f. Mal. 1845. p. 155.

— — Chemn. ed. II. Helix N. 310. t. 54. f. 4. 2.

*Helicophantu eques* Beck ind. p. 46?

Habitat in insula Madagascar.

Obs. Haec et sequens proxime ei affinis inter Bulimos forsan referri possent.

### 6. *H. oviformis* Grateloup.

T. subimperforata, ovata, tenuiuscula, minutissime striato-granulata, rugis obliquis obsolete sculpta, rufescens, castaneo-bifasciata; spira brevis, subconoidea, apice retusa; anfr. 4 rapide accrescentes, ultimus inflatus; columella alba, subintorta; apertura magna, lunato-ovalis, intus livida; perist. simplex, late expansum, breviter reflexum, marginibus callo tenuissimo junctis. columellari dilatato. — Diam. maj. 47, min. 31, alt. 24 mill. (Mus. Cuming.)

*Helix oviformis* Grat. in Act. Bord. XI. p. 396. t. 2. f. 2. \*)

— *amphibulima* Fér. Mus.

— . . . . Fér. hist. t. 40 B. f. 4. 2?

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\*) T. ovoidea, ventricosa, imperforata, fulvo-virente, rugosiuscula; spira brevi, obtusa; ultimo anfractu maximo, zonis 2 vix perspicuis cincto; apertura ampla, oblique oblonga; labro subacuto, subreflexo; labio superne dilatato. — Long. 45 — 48, diam. 35 — 38 mill. (Grat l. c.)

*Bulimus oviformis* Pfr. Symb. II. p. 119.

*Helicophanta amphibulimea* Beck ind. p. 46?

Habitat in insula Madagascar.

\* \* \*

7. *H. Waltoni* Reeve.

T. imperforata, depressa, pyriformis, solida, longitudinaliter et concentricè striata, fusca, rubicundo-fasciata, maculis triangularibus flavidis ornata; spira minima, obtusa; anfr.  $3\frac{1}{2}$  rapidissime accrescentes, ultimus ventrosus, depressus, sulcis nonnullis concentricis signatus; apertura perobliqua, lunato-ovalis, intus nitide rosea; perist. late expansum, reflexum, nigrum, marginibus callo introrsum diffuso nigro junctis, columellari declivi, strictiusculo, superne valde dilatato, excavato. — Diam. maj. 60, min. 40, alt. 30 mill. (Mus. Cuming.)

*Helix Waltoni* Reeve in Proc. Zool. Soc. 1842. p. 49.

— — Reeve Conch. syst. II. t. 166. f. 23.

Habitat in insula Ceylon.

§. 3.

8. *H. pachystyla* Pfr.

T. imperforata, globosa, solida, ponderosa, striata, lineis concentricis decussata, albida, epidermide sordide viridi, nigricanti-radiata induta; spira brevis; anfr.  $5\frac{1}{2}$  celeriter accrescentes, ultimus globosus, antice breviter deflexus; columella obliqua, dilatata, callosa, alba, obsoleta et late unidentata; apertura irregulariter lunato-rotundata, intus lactea; perist. rectum, intus subincrassatum, margine basali reflexiusculo. — Diam. maj. 43, min. 38, alt. 37 mill. (Spec. coll. Metcalf.)

*Helix pachystyla* Pfr. in Proc. Zool. Soc. 1845. p. 71.

Habitat in Nova Seelandia.

9. *H. auricoma* Férussac.

T. imperforata, depresso-globosa, solida, superne plicis obliquis, confertis sculpta, basi nitida, striata, citrina; spira brevis, obtusa; sutura mediocris, anfr.  $4\frac{1}{2}$  convexiusculi, ultimus inflatus; apertura irregularis, coarctata, intus alba; perist. incrassatum, margine dextro arcuato, columellari dilatato, subexcavato, basi subdentato, cum dextro angulum formante. — Diam. maj. 40, min. 33, alt. 26 mill. (Coll. Nr. 4.)

*Helix auricoma* (Helicogena) Fér. pr. 80. Hist. t. 46. f. 7—9.

— — Orbigny moll. cub. I. p. 143. t. 5. f. 4—7.

— — Chemn. ed. H. Helix p. 54. N. 28. t. 7. f. 3. 4.

— *microstoma* Lam. 23. p. 72. ed. Desh. p. 39.

*Helix Bonplandii* Valenc. in Humb. Zool. II. p. 239. t. 36. f. 3.

*Otala microstoma* Beck ind. p. 35.

α. Maxima : Fér. t. 46 A. f. 9.

β. Minor : diam. maj. 24, min. 20, alt. 14—15 mill. (Spec.)

*Helix nescibilis* Fér. t. 46 A. f. 8.

γ. Microstoma, anfr. 4, apertura minima (11 mill. longa, 8½ lata, perist. valde incrassato, marginibus callo junctis. — Diam. maj. 29 min. 22, alt. 17 mill. (List. t. 84. f. 84.) An species distincta?

Habitat in insula Cuba, frequens circa Havana et Matanzas.

Obs. Conf. H. Petitiona Orb. Nr. 689.

#### 10. *H. coelatura* Férussac.

T. imperforata, depresso-globosa, solidiuscula, striis incrementi distinctis lineisque spiralibus irregulariter distantibus exarata, saturate rufa; spira brevis, late conoidea; anfr. 4—5 convexiusculi, ultimus basi juxta columellam compressus; apertura lunato-ovalis; perist. rectum, subincrassatum, margine dextro sinuoso, columellari calloso. — Diam. maj. 28, min. 24, alt. 19 mill. (Coll. Nr. 5.)

*Helix coelatura* (Helicogena) Fér. pr. 48. Hist. t. 28. f. 3. 4.

— — Lam. 22. p. 74. ed. Dh. p. 38.

— — Chemn. ed. II. Helix N. 499. t. 29. f. 3. 4.

— exarata Wieg. in Mus. Reg. Berol. olim.

*Eurycratera coelatura* Beck ind. p. 46.

Habitat in insula Bourbon.

#### 11. *H. simplex* Lamarck. †

T. orbiculato-convexa, imperforata, basi leviter impressa, oblique striata, pallide rufescens (saturatus fasciata); spira subconoidea, apice rubens; labrum simplex, acutiusculum. — Diam. 46 lin. (Lam.) — Diam. 40, alt. 23 mill. (ex ic.)

*Helix simplex* Lam. 42. p. 77. ed. Dh. p. 45.

— — (Helicogena) Fér. pr. add. 48 bis. Hist. t. 25 B. f. 6

*Eurycratera simplex* Beck ind. p. 46.

Habitat in Amboina (Beck.)

Obs. Duce Férussac haec species, quam nunquam vidi, pro varietate majore, depressiore praecedentis forsan habenda est.

#### §. 4.

#### 12. *H. Careocolla* Linn.

T. obtecte umbilicata, solida, conoideo-depressa, striata, (subepidermide olivaceo-fusca) rufa, nitida; spira conoidea, obtusa; anfr. 5—6 planiusculi, ultimus acute carinatus, basi convexiusculus; apertura subtriangularis, intus alba; perist. incrassatum.

album, marginibus callo junctis, basali dilatato, umbilicum obtegente. — Rat. anfr. = 5 : 8. — Diam. maj. 64, min. 53, alt. 26 mill. (Coll. Nr. 6.)

*Helix Carocolla* Linn. ed. X. p. 769. ed. XII. N. 665. p. 1213.

— — *Gmel.* 26. p. 3619.

— — *Chemn.* IX. P. 2. p. 75. t. 125. f. 1090. 91.

— — (Helicigona) *Fér.* pr. 131. Hist. 4. 59. f. 4—4.

— — *Guérin* Iconogr. Moll. t. 6. f. 1.

— — *Chemn.* ed. II. *Helix* N. 35. t. 8. f. 1. 2.

— *tornata* Born Mus. p. 369. t. 14. f. 9. 10.

— *albilabris* Küster in ind. fasc. 32.

*Caracollus oculus* Montf. p. 139. t. 35.

*Carocolla albilabris* Lam. 2. p. 96. ed. Dh. p. 143

— — *Crouch* Illustr. introd. p. 28. t. 14. f. 16

*Caracolla Carocolla* Beck ind. p. 32.

*Discodoma albilabris* Swains. Malac. p. 329.

*Lister* t. 63. f. 611

*Knorr* Vergn. IV. p. 23. t. 13. f. 41

Apertura livida, margaritacea, perist. saturate fusco. (Coll. Gruner)

Habitat in insulis Antillis, Portorico etc.

Obs. Variat magnitudine. Specimina adulta interdum dimidio minora reperiuntur. Umbilicus plerumque omnino clausus, rarius semiapertus.

### 13. *H. angistoma* Férussac.

T. obtecte perforata, orbiculata, utrinque convexa, solida, subtiliter striata, fulvescens, fasciis saturationibus ornata; anfr. 6½ plani, 4 ultimi subaequales, ultimus acute carinatus; apertura late angulato-lunaris; perist. incrassatum, callosum, marginibus callo connexis, basali reflexo, perforationem prorsus tegente. — Diam. maj. 43, min. 39, alt. 17 mill. (Coll. Nr. 7.)

*Helix angistoma* (Helicigona) *Fér.* pr. 130. Hist. t. 60. f. 1.

— — *Chemn.* ed. II. *Helix* N. 36. t. 8. f. 9.

— *Carocolla* *Chemn.* IX. P. 2. p. 77. t. 125. f. 1092.

*Carocolla angistoma* Lam. 3. p. 96. ed. Dh. p. 144.

*Caracolla angistoma* Beck ind. p. 32.

*Discodoma angistoma* Swains. Malac. p. 329.

*Gualt.* t. 3. f. 11

Habitat in insulis Antillis. (Maugé, Lam.) Rara in coll.

Obs. Nomen «angistoma» unde derivandum sit nescio. Nonne rectius: «anhistoma»?

### 14. *H. inversicolor* Férussac.

T. imperforata, orbicularis, utrinque convexa, acute carinata, superne rufa, striata, basi nigricans, striata et lineis concentricis distantibus decussata; spira brevis; anfr. 7 planulati; columella



brevis, obliqua, callosa; apertura subquadrangularis; perist. subincrassatum, marginibus callo tenui junctis, supero arcuato. — Diam. maj. 39, min. 36, alt. 22 mill. (Coll. Nr. 8.)

*Helix inversicolor* (Helicigona) Fér. pr. 432. Hist. t. 58 A. f. 7—12.

— — Chemn. ed. II. Helix N. 538. t. 86. f. 6. 7.

*Caracolla bicolor* Lam. 8. p. 97. ed. Dh. p. 446.

*Caracolla bicolor* Beck ind. p. 32.

β. Minor, subunicolor fusca, vel maculis angularibus picta, vel basi paulo saturatior; anfr. 6; spira plerumque elatior. — Diam. maj. 27, min. 24, alt. 17 mill. (Spec.)

*Helix inversicolor* β, γ Fér. t. 58 A. f. 4—6.

*Carocolla mauritiana* Lam. 9. p. 98. ed. Dh. p. 446.

*Caracolla mauritiana* Beck ind. p. 32.

γ. Var. notabilis:

*Helix puerocunae* Péron. (teste Fér.)

Habitat in insula Isle de France.

#### 15. *H. rostrata* Pfr.

T. obtecte umbilicata, orbiculato-convexa, crassa, striata. nigricans, zona 4 fulvida ad peripheriam, altera ad suturam; spira conoideo-subsemiglobosa; anfr. 5½ plani, ultimus carinatus, supra carinam tumidulus, basi convexiusculus, antice vix deflexus; carina compressa, acuta; apertura fere horizontalis, subtriangularis; perist. crassum, album, ad carinam elevato-rostratum, marginibus callo crasso junctis, basali per dilatato, appresso-reflexo. — Diam. maj. 42, min. 37, alt. 47 mill. (Coll. Nr. 9.)

*Helix rostrata* Pfr. in Zeitschr. f. Mal. 1847. p. 42.

— — Chemn. ed. II. Helix N. 537. t. 86. f. 3—5.

— *marginata* var. Fér. hist. t. 63. f. 9. 10.

Habitat in insula Cuba. (Misit Dr. Gundlach.)

Obs. Sequenti quidem affinis, attamen in speciminum copia transitum non praehens.

#### 16. *H. Sagemon* Beck.

T. obtecte umbilicata, orbiculato-convexa, crassa, striata. lutea vel rufescens, fasciis latis nigricantibus varie ornata; spira elevata, obtusa; anfr. 5½ planulati, ultimus carinatus, basi planiusculus, antice gibbus, deflexus; apertura perobliqua, subtriangularis; perist. incrassatum, reflexiusculum, album vel violacescenti-fuscum, marginibus callo lato junctis. — Diam. maj. 34, min. 30, alt. 48 mill. (Coll. Nr. 10.)

*Caracolla Sagemon* Beck ind. p. 31 (ex synonym.).

*Helix marginata* var. Fér. hist. t. 63. f. 5. 6. 9. 10.

— — Rang in Guér. mag. 1834. t. 56 (c. anim.)

— *marginatoides* Orb. cub. I. p. 153. t. 5. f. 8—10.

*Helix Sagemon* Pfr. Symb. II. p. 99.

— — *Chemn.* ed. II. *Helix* N. 67. t. 43. f. 3. 4.

*Carocolla marginata* Reeve Conch. syst. II. t. 167. f. 8.

*Lister* t. 67. f. 66.

Minor, superne fulvo-unifasciata, basi nigricans, medio fulva, umbilico non omnino clauso. — Diam. maj. 32, min. 27, alt. 14 mill. (Speo.)

*Helix marginata* var. *Fér.* hist. t. 63. f. 3. 4.

— *marginelloides* Orb. cub. I. p. 154. t. 9. f. 14—16. \*)

Habitat frequens in parte meridionali insulae Cubae, prope San Yago, etc.

Obs. Proxime affinis *H. Bornii* Chemn., late umbilicatae. (Conf. Nr. 1018.)

§. 5.

17. *H. crispata* Férussac.

T. imperforata, globosa, tenuiuscula, substriata, nitida, fusco-lutescens, lineis brunneis confertis, concentricis, undulato-crispis elegantissime circumdata; spira brevis; anfr.  $4\frac{1}{2}$  convexi, ultimus inflatus; columella arcuata, dilatata, alba; apertura lunato-circularis, intus lactea; perist. simplex, rectum. — Diam. maj. 34, min. 26, alt. 24 mill. (Mus. Cuming.)

*Helix crispata* (Helicogena) *Fér.* pr. 26. Hist. t. 25. f. 7. 8.

— — *Pfr.* Symb. III. p. 65.

— — *Chemn.* ed. II. *Helix* N. 194. t. 28. f. 4. 2.

Major: diam. maj. 37, min. 34, alt. 28 mill. (Mus. Cuming.)

Habitat in insula Haiti. (*Fér.*)

Obs. 1. Differt ab *H. dilatata* spira majore, apertura parva, columella arcuata etc.

Obs. 2. *H. crispata* *Fér.*? *Pfr.* Symb. II. p. 26 est *H. Bulori*. (Vide Nr. 664.)

18. *H. dilatata* Pfr.

T. imperforata, oblique subovata, solida, granulato-striata, pallide lutea, lineis confertissimis brunneis, interruptis supra et infra fasciam concolorem medii anfractus ultimi picta, apice albida; spira parva, obtusiuscula; anfr. 4 rapide accrescentes, ultimus amplissimus; columella albo-callosa, stricta; apertura maxima, oblique ovalis, intus lactea; perist. rectum, subincrassatum, margine dextro antorsum arcuato. — Diam. maj. 35, min. 26, alt. 24 mill. (Mus. Cuming.)

*Helix dilatata* *Pfr.* in Proc. Zool. Soc. 1845. p. 42.

— *crispata* var. *Fér.* hist. t. 46. f. 7. 8?

Habitat . . . ?

\*) T. orbiculato-conica, crassa, imperforata, carinata, carina obtusa, substriata, fusco-nigra, fasciis supra fulvis cincta; spira conica, obtusa, sublimine convexa; apertura obovali, crassa; labro reflexo, albo. — Diam. 33, alt. 18 mill. (Orb. I. c.)

19. *H. tenuis* Pfr.

T. imperforata, subglobosa, tenuis, fusca, rufo-zonata, lineis obsoletis impressis, concentricis notata, epidermide tenuissima. sericina induta; spira obtusiuscula; anfr. 3 celeriter crescentes, vix convexiusculi, ultimus magnus, inflatus, ad columellam obliquam, subtortam excavatus; apertura lunato-ovalis; perist. rectum, simplex, basi subincrassatum. — R. a. = 2 : 5. — Diam. maj. 32, min. 26, alt. 22 mill. (Mus. Cuming.)

*Helix tenuis* Pfr. in Proc. Zool. Soc. 1845. p. 44.

Habitat . . . ?

20. *H. tumida* Pfr.

T. imperforata, globosa, solida, rugoso-striata, nitidiuscula, alba, epidermide sordide viridi, saturatius radiata induta; spira parvula, elevata, apice nuda; anfr. 3 tumidi, ultimus permagnus; columella subverticalis, elongata, albo-callosa, basi subtorta; apertura ampla, lunato-rotundata, intus coerulescens; perist. simplex, rectum, margine dextro arcuato, basali cum columella angulum formante. — Diam. maj. 27, min. 23, alt. 24 mill. (Mus. Cuming.)

*Helix tumida* Pfr. in Proc. Zool. Soc. 1845. p. 430.

Habitat . . . ?

21. *H. micans* Pfr.

T. imperforata, globosa, tenuis, fragilis, striatula, lineis confertissimis obsolete decussata, diaphana, albida; spira parvula; anfr. 4 planiusculi, rapide accrescentes, ultimus inflatus; columella tenuis, intrans, excavata; apertura rotundato-lunaris; perist. simplex, rectum, margine dextro antrorsum subarcuato. — Diam. maj. 28, min. 24, alt. 49 mill. (Coll. Nr. 44.)

*Helix micans* Pfr. in Proc. Zool. Soc. 1845. p. 71.

— — Chemn. ed. II. Helix N. 197. t. 28. f. 3—5.

Habitat prope S. Juan prov. Cagayan insulae Luzon. (Cuming.)

22. *H. subplicata* Sowerby.

T. imperforata, subglobosa, longitudinaliter valide plicata, epidermide luteo-fusca vel castanea induta; spira elata, obtusa; anfr. 3½ inflati, rapide accrescentes; apertura ampla, subcircularis, intus nitida, plicata; perist. simplex, marginibus fere contiguus, callo tenui junctis, columellari subincrassato, dilatato. — Diam. maj. 34, min. 26, alt. 26 mill. (Coll. Nr. 42.)

*Helix subplicata* Sow. in Zool. Journ. I. p. 56. t. 3. f. 4.

— — Lowe Prim. Faun. Mader. p. 44. t. 5. f. 4.

— — Wood ind. suppl. t. 8. f. 74.

— — (Helicogena) Fér. hist. t. 9 B. f. 8. 9. t. 17. A f. 14. 15.

*Helix subplicata* Lam. ed. Dh. 144. p. 95.

— — Chemn. ed. II. *Helix* N. 198. t. 29. f. 1. 2.

*Pomatia subplicata* Beck ind. p. 44.

Habitat in insula Baxo prope Porto Sancto.

### 23. *Helix aperta* Born.

T. imperforata, ovato-globosa, inflata, tenuis, plicato-striata, olivaceo-fusca; anfr. 4 convexiusculi, rapide accrescentes; apertura acute obovalis; perist. simplex, acutum, albo-limbatum. — Diam. maj. 26, min. 16½, alt. 27 mill. (Coll. Nr. 13.)

*Helix aperta* Born Mus. p. 387. t. 15. f. 19. 20.

— — Gray Manual p. 127. t. 11. f. 129.

— — Chemn. ed. II. *Helix* p. VII. N. 4. t. 1. f. 1—4.

— *terrestris* Forsk. (teste Beck).

— *neritoides* Chemn. IX. P. 2. p. 150. t. 133. f. 1204. 5.

— *naticoides* Drap. p. 92. t. 5. f. 26. 27.

— — (Helicogena) Fér. pr. 15. Hist. t. 11. f. 17—20.

— — Lam. 13. p. 69. ed. Dh. p. 35.

— — Blainv. Malac. p. 460. t. 40. f. 6.

— — Rossm. V. p. 1. f. 285. (Pl. f. 156. anim.)

— — Küster in Chemn. ed. II. p. 24.

— *karaitana* Prumm. teste Villa catal.

— . . . . . Sow. Conch. Man. f. 517.

*Cantareus naticoides* Risso IV. p. 64.

*Pomatia aperta* Beck ind. p. 44.

*Coenatoria naticoides* Held in Isis 1837. p. 910.

Gualt. t. 1. f. F.

Habitat in Gallia meridionali, Italia, Sicilia, Graecia, Turcia, Algeria, etc., nec non in insula Guernsey (Forbes).

Obs. Epiphragma hibernum album, vesicale, valde convexum.

### 24. *Helix tristis* Pfr.

T. imperforata, ovato-globosa, tenuis, striata, lineis concentricis obsolete decussata, olivaceo-fusca, rufo-5-fasciata, spira parvula, conoidea; anfr. 4 convexiusculi, ultimus inflatus; apertura lunato-ovalis, intus nitida; perist. simplex, rectum, margine columellari dilatato, reflexo, appresso. — Diam. maj. 21, min. 18, alt. 18 mill. (Coll. Nr. 44.)

*Helix tristis* Pfr. in Proc. Zool. Soc. 1845. p. 66.

— — Philippi Icon. II. 15. p. 184. *Helix* t. 9. f. 3.

— — Chemn. ed. II. *Helix* N. 196. t. 28. f. 20. 21.

— *ceratina* Shuttleworth in Mittheil. d. naturf. Ges. in Bern 1843 p. 66. (absque diagnosi.)

Habitat in insula Corsica, in arenosis prope Ajaccio. (Shuttl.)

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*Helix globulosa* Pfr. Symb. II. p. 29. Nec Fer.

— *versicolor* var. Chemn. ed. II. Helix t. 28. f. 42. 13

Habitat . . . ? Var.  $\beta$  in insula Cuba (teste Petit).

27. *H. muscarum* Lea.

T. imperforata, globosa, solida, laevigata, nitida, lutea vel alba, fasciis variis ornata, punctisque rufis vel griseis pellucidis irregulariter conspersa; anfr.  $4\frac{1}{2}$  convexi; columella subrecta, dilatata, alba vel rubra; area columellaris et faux roseae; apertura subverticalis, rotundato-lunaris; perist. simplex, obtusum, intus sublabiatum, marginibus callo tenui junctis. — Diam. maj. 24, min. 19, alt. 17 mill. (Coll. Nr. 47.)

*Helix muscarum* Lea obs. I. p. 163. t. 19. f. 59.

— — Pfr. in Phil. Icon. II. 9. p. 4. t. 6. f. 10.

— — Chemn. ed. II. Helix N. 192. t. 27. f. 12—21.

— *globulosa* (Helicogena) Fér. pr. 17. Hist. t. 25. f. 3. 4. t. 25 A f. 7. 8.

— — Wood suppl. t. 7. f. 35.

— *carnicolor* Orb. cub. I. p. 158. t. 10. f. 5—8. \*)

*Polymita globulosa* Beck ind. p. 44.

$\alpha$ . Albida, fasciis 2 angustis, approximatis, castaneis supra medium anfractus ultimi, tertia ad suturam. (Var. *Lesiana*.)

$\beta$ . Lutea, fasciis 2 latis albis et 1 castanea ad suturam.

$\gamma$ . Lutea, cingulis 2 angustis albis, linea suturali rosea.

$\delta$ . Alba, lineis 2 approximatis nigris ad peripheriam, interstitio fuscescenti-luteo, linea suturali nigra.

$\epsilon$ . Fusco-lutea, cingulis 2 approximatis ad peripheriam, superiore superne albo-marginato, linea suturali nigra.

$\zeta$ . Alba, cingulis 3 nigricanti-castaneis, primo suturali, secundo latisimo, tertio angusto, interstitio luteo.

$\eta$ . Lutea, fasciis 2 albis cincta, maculis majoribus dense conspersa.

$\theta$ . Fusco-lutea, cingulis 2 latis nigris, fascia suturali lata, rosea.

$i$ . Fusco-lutea, cingulis 2 angustis albis, linea suturali nigra.

$x$ . Alba, cingulis luteis, cinnamomeo-marginatis. (Fér.)

$\lambda$ . Unicolor alba, punctis diaphanis griseis conspersa.

Habitat in insula Cuba.

Obs. Nomen *Ferussacianum* ob *H. globulosam* fossillem rejiciendum videtur.

28. *H. depicta* Grateloup. †

T. imperforata, subglobosa, conoidea, tenuis, alba, subtilissime striata, fasciis ac lineis variis luteis, fuscisque interruptis

\*) T. elevato-conica, laevigata, glabra, imperforata, zonis fulvis 3 cincta. spira elevata, conica, apice obtuso; anfr. 6 subconvexi; apertura rubra. — Diam. 44, alt. 46 mill. (Orb. I. c.)

depicta; anfr. 5 convexi; labrum simplex, acutum. — Diam. 15. alt. 14 mill. (Grat.)

*Helix depicta* Gratel. in Act. Bord. XI. p. 399. t. 4. f. 12.

Habitat in insula St. Thomas et prope New-Orleans. (Gr.)

### 29. *H. cubensis* Pfr.

T. imperforata, globulosa, nitidula, longitudinaliter tenerrime striata, basi convexa, unicolor, fasciata vel punctata; spira brevis, obtusa; anfr. 4 convexiusculi, ultimus ventrosus; columella brevis, subverticaliter descendens, superne vix dilatata; apertura magna, lunato-rotundata; perist. simplex, acutum. — Diam. maj. 15, min. 13, alt. 14—12 mill. (Coll. Nr. 48 spec. max.)

*Helix cubensis* Pfr. in Wieg. Arch. 1840. I. p. 250.

— — *Phil.* Icon. II. 9. p. 5. t. 6. f. 11.

— — *Chemn.* ed. II. *Helix* N. 200. t. 29. f. 9—13.

— *Lanieriana* Orb. cub. I. p. 159. t. 7. f. 47—20. \*)

— *penicillata* Gould in Bost. Journ. IV. N. 1. 1842. (extus.)

α. Alba, solida, opaca.

β. Alba, fasciis 2 angustis nigricanti-rufis, superiore ad verticem usque conspicua.

γ. Alba, fasciis 2 latis fulvis.

δ. Rosea unicolor.

ε. Cornea, solida absque fasciis.

ζ. Albida, lutescens vel rosea, seriebus confertis punctulorum brunneo-rum, saepeque zona nigra ornata.

η. Rosea, anfractu ultimo unicolore, reliquis punctis seriatis, brunneis conspersis.

θ. Spira paulo elatiore.

*Microcystis trifasciella* Beck p. 2. (teste spec. coll. Antou.)

Habitat in insula Cuba, ubi frequentem legi circa Havana et Matanzas; var. ζ praesertim sub foliis Oreodoxae regiae; var. θ in insula Jamaica.

Obs. Cl. Gould (Bost. Journ. IV. p. 487) hanc speciem cum *H. gilva* Fér., quae auctori ignota esse videtur, confundit. (Conf. Nr. 881.)

### 30. *H. tenerrima* Adams.

T. imperforata, depresso-globosa, tenera, striatula, epidermide tenui, corneo-lutescente induta; anfr. 5½ convexi, ultimus inflatus; columella intrans, callosa, dilatata, complanata, alba; apertura lunato-circularis; perist. simplex, acutum, marginibus

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\*) T. globosa, imperforata, tenui, translucida, laevigata, alba vel fuscus fuscis cincta; spira brevi; apertura subrotundata; labro simplice, acuto — Diam. 14, alt. 14 mill. (Orb. I. c.)

conniventibus. — Diam. maj. 48, min. 45, alt. 42 mill. (Coll. Nr. 49.)

*Helix tenerrima* Adams in Proc. Bost. Soc. 1845. Jan. p. 16.

— — Pfr. in Zeitschr. f. Mal. 1845. p. 155.

— — Chemn. ed. II. Helix N. 201. t. 29. f. 5—8.

Habitat in insula Jamaica.

### 31. *H. furva* Lowe.

T. imperforata, subglobosa, tenuis, obsolete rugulosa, lutescens, fusco-unifasciata, epidermide umbrina induta; anfr. 6 subplanulati, ultimus subangulatus, basi convexus, antice paulum descendens; sutura distincta; apertura rotundato-lunaris; perist. simplex, acutum, margine columellari subincrassato. — Diam. maj. 47, min. 45, alt. 42½ mill. (Coll. Nr. 20. Spec. Loweana.)

*Helix furva* Lowe Mader. p. 40. t. 5. f. 2.

— — Lam. ed. Dh. 445. p. 96.

— — Chemn. ed. II. Helix N. 202. t. 29. f. 20—22.

Habitat in insulae Maderae sylvis rarior.

### 32. *H. Natalensis* Pfr.

T. imperforata, subglobosa, tenuis, laevigata, subdiaphana, corneo-albida, lineis fuscis irregulariter radiata; spira elevatiuscula, obtusa; anfr. 4 vix convexiusculi, ultimus inflatus; columella subverticalis, filiformis, profunde intrans; apertura lunato-rotundata, intus fulva, nitida; perist. simplex, acutum. — Diam. maj. 42, min. 40, alt. 9 mill. (Coll. Nr. 21.)

*Helix Natalensis* Pfr. Symb. III. p. 65.

— — Chemn. ed. II. Helix N. 203. t. 29. f. 30—32.

Habitat ad Natal Africae meridionalis.

### 32\*. *H. irradiata* Gould. †

T. conico-globosa, tenuis, imperforata, albida, supra purpureo radiatim tessellata, lineis incrementi acutis confertim striata, subtus rotundata: spirae anfr. 6 convexi, ultimus subangulatus; apertura transversa, lunata; labrum acutum, ad columellam incurvatum, vix reflexum. — Lat. ¼, alt. ⅓ poll. (G.)

*Helix* (Nanina) *irradiata* Gould 1846. Exped. shells p. 25.

Habitat in Nova Hollandia.

Obs. \*Forma *H. cubensi* similis. Colores fere dispositi sicut in *Bulimo vexillo*.

## §. 6.

### 33. *H. Landoni* Pfr.

T. imperforata, semiglobosa, tenuis, irregulariter striatula, superne opaca, albida, punctis castaneis conspersa et linea nigri-



canti-castanea ad suturam ornata; anfr.  $4\frac{1}{2}$  convexiusculi, ultimus basi planulatus, pellucidus, corneo-virens, antice breviter deflexus; columella intrans, declivis, subarcuata, dilatata, introrsum acuta; apertura lunato-elliptica; perist. simplex, rectum. — Diam. maj. 16, min. 14, alt.  $9\frac{1}{2}$  mill. (Mus. Cuming.)

*Helix Lindoni* Pfr. in Proc. Zool. Soc. 1846.

— — *Phil.* Icon. III. 17. Helix t. 10. f. 7.

— — *Chemn.* ed. II. Helix N. 193. t. 27. f. 9—11.

Habitat in insula Cuba. (Lindon.)

#### 34. *H. Gossei* Pfr.

T. imperforata, orbiculato-conoidea, tenuis, irregulariter plicatulo-striata, non nitens, diaphana, fulvida, fascia unica peripherica, angusta, castanea, alteraque superiore obsoleta ornata; spira breviter conoidea, obtusa; anfr. 5 planiusculi, ultimus antice vix descendens, basi subplanulatus; columella declivis, angusta, plana, introrsum acuta; apertura obliqua, elliptico-lunaris, intus concolor; perist. simplex, tenue, rectum. — Diam. maj. 16, min. 14, alt. 9 mill. (Mus. Cuming.)

*Helix Gossei* Pfr. in Proc. Zool. Soc. 1846.

Habitat in Montibus coeruleis insulae Jamaicae. (Gosse.)

#### 35. *H. subconica* Adams. †

T. tenuis, late subconica, imperforata, flavido-fusca, atrofusco varie lineata; anfr. 5 haud multum convexi, exile striati, ultimus subangulatus, subtus convexus; apertura subrectangularis, curviter depressa; labrum tenuissimum; columella recta, acuta. — Div. 400°. Alt. 0,43, lat. max. 0,67, lat. min. 0,57 poll. (Ad.)

*Helix subconica* Adams in Bost. Proc. 1845. p. 15.

Habitat in insula Jamaica.

#### 36. *H. fulva* (Müller?) Draparnaud.

T. imperforata, turbinato-globosa, cornea, minutissime striatula, nitida; anfr. 6 convexi, angustissimi, ultimus basi convexiusculus; apertura depressa, lunaris; perist. rectum, simplex, acutum. — Diam. maj. 4, min.  $3\frac{1}{2}$ , alt. 3 mill. (Coll. Nr. 22. Spec. hass.)

*Helix fulva* Müll. hist. verm. II. p. 56. N. 249?

— — *Drap.* p. 81. t. 7. f. 12. 13.

— — *C. Pfr.* I. p. 23. t. 2. f. 2.

— — *Lam.* ed. Dh. 110. p. 78.

— — *Rossm.* VIII. p. 38. f. 535.

— — *Kryn.* Bull. Mosc. IX. p. 467.

— — *Gray* Manual p. 448. t. 5. f. 47.

- Helix fulva* *Dupuy* Moll. du Gers p. 15. N. 2.  
 — — *Morelet* moll. du Port. p. 72.  
 — — *Chemn.* ed. II. *Helix* N. 212. t. 30. f. 22—24  
 — *trochiformis* *Montagu* test. brit. p. 427. t. 41. f. 9.  
 — *trochilus* *Dillwyn* cat. p. 916.  
 — *trochilus* *Fleming* brit. anim. p. 260.  
 — *nitidula* v. *Allen* p. 53. t. 4. f. 8.  
 — *chersina* *Say* in *Philad. journ.* II. p. 456.  
 — — *Bimney* in *Bost. journ.* III. p. 446. t. 26 f. 3  
 — — *Gould* report p. 485. f. 105.  
 — *Mandralisci* *Bivon.* fil. in *Giorn. lett.* N. 198 f. 6.

*Conulus fulvus* *Fitzinger* syst. Verz. p. 94.

*Petasia trochiformis* *Beck* ind. p. 21.

*Polita fulva* *Held* in *Isis* 1837. p. 946.

β. Minor, obscurior: *H. fulva* var. *Alder* *Gray* l. c.

γ. Depressa, utrinque fere aequaliter convexa:

*Helix Mortoni* *Jeffreys* in *Linn. transact.* XVI. p. 332.

Habitat in Germania, Helvetia, Gallia, Anglia, Italia, Sicilia, Dania. Suecia, Rossia, Caucaso; in America boreali (Sea islands of Georgia: *Say*, Massachusetts: *Gould*).

### 37. *H. egena* *Say*.

T. imperforata, semigloboso-turbinata, glabra, nitidissima, cornea; spira conoideo-elevata; anfr. 5½, convexi, lente accrescentes, ultimus basi convexus, medio impressus, foramen punctiforme simulans; apertura depressa, lunaris; perist. simplex, acutum, margine columellari brevi, verticali, centro baseos inserto, breviter reflexo. — Diam. maj. 3½, min. 3, alt. 2½ mill. (Coll. Nr. 23.)

*Helix egena* *Say* in *Philad. journ.* V. p. 420.

— — *Chemn.* ed. II. *Helix* N. 244. t. 30. f. 19—24.

Habitat in America boreali: Philadelphia (*Say*, *Griffith*).

Obs. Differt ab *H. fulva* testae glaberrimae forma depressiore, anfractibus latioribus, ultimo magis inflato, apertura minus depressa.

### 38. *H. semen* *Lin* *Moricand.* †

T. parvula, orbiculato-convexa, imperforata, tenuis, glabra, pellucida, nitida, cornea; anfr. 5 planiusculi; apertura transverse ovalis, semilunata, margine acuto. — Diam. 3, alt. 2 mill. (*Mor.*)

*Helix semen lini* *Moric.* mém. 3<sup>e</sup> suppl. p. 55. t. 5. f. 17.

Habitat circa Bahia Brasiliae.

### 39. *H. nana* *Hutton.* †

T. parvula, convexo-conoidea, pallide fuscescens; anfr. 6—7 arcte convoluti, ultimus rotundatus; apertura latior; labrum sim-

plex; umbilicus evanidus; apex valde obtusus. — Diam. 0.4 poll. (Hutt.)

*Helix nana* Hutton in Journ. As. Soc. VII. P. 1. p. 218.

Habitat in Himalayah prope Simla.

### §. 7.

#### 40. *H. Haldemaniana* Adams.

T. imperforata, depressa, striatula, tenuis, nitida, virenti-hyalina; spira vix elevata, obtusissima; sutura marginata; anfr. 7 vix convexiusculi, ultimus antice non descendens, basi medio profunde excavatus; apertura subverticalis, oblique lunaris; perist. simplex, acutum, margine columellari perobliquo, superne brevissime reflexo. — Diam. maj. 43, min. 44½, alt. 6½ mill. (Coll. Nr. 24.)

*Helix Haldemaniana* Adams in sched.

— — Pfr. in Zeitschr. f. Mal. 1845. p. 154.

— — Chemn. ed. II. Helix N. 205. t. 28. f. 44—47.

— *arboreoides* Adams in Bost. Proc. 1845. p. 16? \*)

Habitat in insula Jamaica.

Obs. Huic similes varietates subimperforatae *H. vitrinoides* Desh. (Conf. Nr. 116.)

#### 41. *Helix orbis* Beck.

T. imperforata, discoidea, virenti-lutescens, glaberrima, nitida, pellucida, supra plana, subtus convexiuscula, medio impressa; sutura submarginata; anfr. 5—6 plani, ultimus penultimo vix lator, superne angulatus; apertura subverticalis, lata, lunaris; perist. rectum, acutum, simplex. — Diam. maj. 9½, min. 8¾, alt. 3½ mill. (Coll. Nr. 25.)

*Helicopsis orbis* Beck ind. p. 2. (teste Anton in litt.)

*Helix orbis* Pfr. Symb. II. p. 35.

— — Chemn. ed. II. Helix N. 206. t. 30. f. 8—10.

— *planulata* Anton Verz. p. 35. N. 1326. Nec Lam.

Habitat in insula Opara (Cuming).

#### 42. *H. ornatella* Beck.

T. imperforata, orbiculato-convexiuscula, leviter striatula, nitidissima, fulvescenti-lutea, unicolor vel fasciis saturate fulvis et

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\*) T. discoidea, tenui, nitida, diaphana, pallide cornea, exilissime striata; anfr. 7 angustia, a linea subsuturali impressis, ultimo rotundato, subtus late et profunde indentato; apertura subovata, ab anfr. penultimo valde invasa; labro tenuissimo. — Div. 140°. Alt. 0,8, lat. max. 0,59, lat. min. 0,54 poll. (Ad. I. c.)

castaneis multimode ornata et radiata; spira convexiuscula, obtusa; anfr.  $3\frac{1}{2}$  — 4 vix convexiusculi, ultimus basi planior; apertura rotundato-lunaris; perist. simplex, acutum, margine columellari subobliquo, dilatato, albo. — Diam. maj. 42, min. 44, alt.  $6\frac{1}{2}$  mill. (Coll. Nr. 26.)

*Microcystis ornatella* Beck ind. p. 2. (teste Anton.)

*Helix ornatella* Pfr. Symb. II. p. 36.

— — Chemn. ed. II. Helix N. 207. t. 29. f. 23 — 26.

— *Adamsi* Pfr. in Proc. Zool. Soc. 1845. p. 66.

— *realis* Mühlf. in Ant. Verz. p. 35. N. 1329.

Habitat in insulis Pitcairn et Opara (Cuming).

#### 43. *H. brunnea* Anton.

T. imperforata, orbiculato-convexa, nitidissima, saturate fulva, superne punctis albis conspersa; spira convexiuscula; anfr.  $4\frac{1}{2}$  subplanulati, sensim accrescentes, ultimus basi convexiusculus, medio impressus; apertura rotundato-lunaris; perist. acutum, simplex, tenuissimum, loco umbilici subincrassatum. — Diam. maj. 6, min.  $5\frac{1}{2}$ , alt.  $3\frac{1}{2}$  mill. (Coll. Nr. 27.)

*Helix brunnea* Anton Verz. p. 35. N. 1328.

— — Chemn. ed. II. Helix N. 208. t. 29. f. 27 — 29.

*Helicopsis glandula* Beck ind. p. 2. (teste Ant. in litt.)

Habitat in insulis Pitcairn (Cuming).

#### 44. *H. subtilis* Anton.

T. imperforata, depressa, tenerrima, nitida, pallide cornea; spira vix exserta; anfr.  $4\frac{1}{2}$  — 5 planiusculi, sensim accrescentes, ultimus basi paulo convexior; sutura interdum rufo-marginata; apertura transverse lunaris; perist. simplex, acutum. — Diam. maj. 6, min.  $5\frac{1}{2}$ , alt.  $3\frac{1}{2}$  mill. (Coll. Nr. 28.)

*Helix subtilis* Anton Verz. p. 35. N. 1327.

— — Chemn. ed. II. Helix N. 209. t. 29. f. 33 — 35.

— *vitrinella* Pfr. Symb. II. p. 44.

*Helicopsis vitrinella* Beck ind. p. 2. (teste Anton in litt.)

Habitat in insula Oheatora (Cuming).

Obs. Nomen Antonianum prioritate gaudet, cum *H. subtilis* Lowe ab *H. lenticula* Fér. nullo modo differat.

#### 45. *H. fusca* Montagu.

T. imperforata, depressa, tenuissima, pellucida, cornea, nitida, superne rugoso-plicatula, basi convexiuscula, laevigata; spira vix elevata; anfr. 5 convexiusculi, ultimus obsolete angulatus; columella brevissima, subverticalis; apertura lunaris; perist. simplex,

acutum, margine columellari reflexiusculo. — Diam. maj. 9, min. 7. alt. 5 mill. (Coll. Nr. 29.)

*Helix fusca* Mont. test. brit. p. 424. t. 43. f. 4.

— — Wood index t. 34. f. 132.

— — Gray Manual p. 447. t. 4. f. 36.

— — Thompson cat. of land- and freshwater-shells of Irel 1840. p. 40.

— — Pfr. Symb. II. p. 28.

— — Chemn. ed. II. Helix N. 204. t. 29. f. 47—49.

— *subrufescens* Miller in Ann. of Phil. XIX. p. 379.

— *Zenobia corrugata* Gray in Med. Repos. 1821. p. 239.

*Petasia edentula* Beck ind. p. 24?

Habitat in Britannia (Devonshire : Mont.) et Hibernia (Thomps.).

\* \* \*

#### 46. *H. stylodon* Pfr.

T. imperforata, depressiuscula, solidula, luteo-cornea, subtiliter striata, interdum decussata; spira vix elevata; anfr. 6 planiusculi, ultimus obtuse angulatus; apertura lunaris; columella dente obliquo, valido, albo, instructa; perist. simplex. — Diam. maj. 24, min. 20, alt. 45 mill. (Coll. Nr. 30.)

*Helix stylodon* Pfr. Symb. II. p. 40.

— — Chemn. ed. II. Helix N. 224. t. 28. f. 48. 49.

— *monodonta* Grat. Act. Bord. XI. p. 399. t. 4. f. 44?\*) Nec Lea

Habitat in insula Mauritiï.

\* \* \*

#### 47. *H. Powisiana* Pfr.

T. imperforata, depressa, superne convexiuscula, basi planiuscula, medio impressa, tenuissima, striatula, nitidissima, cornea, fusco-radiata; aufractus plane involuti, ultimus antice oblique depressus; apertura depressa, lunato-oblonga; perist. simplex, rectum, marginibus utrinque centro testae insertis, dextro antrorsum arcuato-dilatato. — Diam. maj. 48, min. 45, alt. 7½ mill. (Mus. Cuming.)

*Helix Powisiana* Pfr. mss.

— *involuta* Pfr. in Proc. Zool. Soc. 1845. p. 65. Nec Thomae

Habitat in montibus Quendeu Novae Granadae.

Obs. Num forsán alií generi adscribenda? An *Helicophanta*?

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\*) T. conoidea, subtus convexa, imperforata, cornea, multispira, subpellucida, subtiliter oblique striata; anfr. 6—7, majore unifasciato; apertura semilunari, labro acuto, margine columellari albo-unidentato. — Alt. 6, diam. 48 mill. (Grat. l. c.)

§. 8.

48. *H. rectangula* Pfr.

T. imperforata, orbiculato-conica, solida, striatula, griseo-straminea, area basali, linea suturali et fasciis latis castaneis ornata; spira elevata, obtusa; anfr. 6—6½ convexiusculi, ultimus subrectangule carinatus, basi planiusculus, medio subexcavatus; apertura depressa, subtrapezia, margine columellari incrassato, calloso-subunidentato. — Diam. maj. 43, min. 42, alt. 40 mill. (Coll. Nr. 34.)

*Helix rectangula* Pfr. in Proc. Zool. Soc. 1845. p. 430.

— — *Chemn.* ed. II. *Helix* N. 217. t. 28. f. 8. 9.

Habitat in insulis « Marquises ».

Obs. Variat unicolor pallida, linea suturali modo et area basali castaneis

49. *H. conus* Philippi.

T. imperforata, conica, trochiformis, basi acute carinata, laevis, fulva, carina albida, utrinque cingulo angusto, rufo marginata; spira elata, apice acuta; anfr. 8 plani, ultimus basi planiusculus, medio impressus; apertura depressa, oblique quadrangularis; perist. simplex, acutum, margine columellari perobliquo, subincrassato. — Diam. maj. 45, min. 44½, alt. 44 mill. (Coll. Nr. 32.)

*Helix conus* Phil. coll. Pfr. Symb. I. p. 39.

— — *Phil.* Icon. I. 4. p. 44. t. 4. f. 6.

— — *Chemn.* ed. II. *Helix* N. 216. t. 28. f. 6. 7.

Habitat in insula Java.

50. *H. pomphigodes* Pfr.

T. imperforata, subglobosa, tenuis, membranacea, oblique plicatula, diaphana, lutescenti-cornea; spira brevis, papillata; anfr. 4 vix convexi, ultimus magnus, carinatus, juxta suturam inflatus, basi convexus, antice vix descendens; columella simplex, acuta, subverticalis; apertura ampla, fere circularis; perist. simplex, acutum, marginibus conniventibus. — Diam. maj. 48, min. 44, alt. 42 mill. (Mus. Cuming.)

*Helix pomphigodes* Pfr. in Proc. Zool. Soc. 1846. p. 440.

Habitat in insula Cuba (Lindon).

51. *H. Campbelli* Gray.

T. imperforata, orbiculata, utrinque convexa, superne confertim rugosa, striis spiralibus leviter decussata, pallide brunnea, fascia unica lata, pallida supra peripheriam ornata; spira conoidea, obtusa; anfr. 4½ planiusculi, ultimus medio angulatus, basi sub-

laevigatus; columella brevis, obliqua, subincrassata; apertura angulato-lunaris; perist. tenue, acutum. — Diam. maj. 49, min. 17, alt. 42 mill. (Spec. Mus. Britt.)

*Helix Campbellii* Gray in Proc. Zool. Soc. 1834. p. 65.

— — Müller synops. p. 7.

β. Testa superne fusca, basi castanea: diam. maj. 20, min. 18 alt. 12 mill. (Mus. Cuming.)

Habitat in insula Phillip oceani pacifici.

### 52. *H. strigillata* Jan. †

T. imperforata, depressa, carinata, oblique striata; apertura lunaris carinae angulosa; perist. simplex, subcontinuum, gilyum. — Diam. 4 poll., alt.  $5\frac{1}{2}$  lin. Apert. diam. long. 5, transv. 6½ lin. (Jan.)

*Helix strigillata* Jan Mantissa p. 1.

Habitat in America meridionali.

### 53. *H. Stoddarti* Gray.

T. imperforata, depresso-turbinata, solida, leviter rugosa, nitidula, brunnea, pallide fasciata vel flavescens, fasciis saturatioribus; spira depresso-conica; anfr. 5 planiusculi, ultimus convexior, medio angulatus, basi convexiusculus; columella brevis-sima, subincrassata, intrans; apertura lunaris; perist. simplex, acutum. — Diam. maj. 45, min. 44, alt. 40 mill. (Spec. Mus. Britt.)

*Helix Stoddarti* Gray in Proc. Zool. Soc. 1834. p. 65.

— — Müller synops. p. 8.

Habitat in insula Phillip oceani pacifici (Cunningham).

### 54. *H. Boholensis* Pfr.

T. imperforata, depressa, lenticularis, acute carinata, tenuis, corneo-albida; spira convexiuscula; anfr. 7 planulati, regulariter confertim striati, juxta carinam lineis 2 acute elevatis, approximatis cincti, ultimus basi convexiusculus, striatulus, medio vix impressus, antice non descendens; apertura verticalis, depressissima, angulato-lunaris; perist. simplex, acutum, margine supero brevissimo. — Diam. maj. 44, min. 43, alt. 6 mill. (Mus. Cuming.)

*Helix Boholensis* Pfr. in Proc. Zool. Soc. 1845. p. 123.

— — Phil. Icon. II. 44 p. 86. t. 7. f. 7.

— — Chemn. ed. II. Helix N. 248. t. 30. f. 5—7.

β. Minor, anfr.  $6\frac{1}{2}$ : diam. maj. 40, min. 9, alt. 4 mill. (Coll. Nr. 33.)

Habitat in insula Bohol, ubi prope Loboc legit H. Cuming.

### 55. *H. insculpta* Pfr.

T. imperforata, depressa, utrinque convexiuscula, lenticularis, acute carinata, solidula, castanea, superne costulis confertis

et linea spirali carinae parallela insculpta; anfr. 5 planulati, ultimus basi laevigatus, juxta carinam linea impressa notatus; columella dente unico brevi, acuto, albo munita; apertura depressa, securiformis; perist. simplex, acutum. — Diam. maj. 8, min.  $7\frac{1}{2}$ , alt. 4 mill. (Coll. Nr. 34.)

*Helix insculpta* Pfr. in Proc. Zool. Soc. 1845. p. 129.

— — Chemn. ed. II. Helix N. 219. t. 30. f. 15—18.

Habitat . . . . ?

55°. *H. cultrata* Gould. †

T. parva, orbicularis, depressa, glaberrima, lucida, fusco-viridis, infra rotundata, in foveam umbilicalem devexa, imperforata: spirae anfr. 5 convexi, ultimus superne carinatus; apex obtusus; sutura marginata; apertura angusta, lunata; labrum simplex; columella obliqua, callosa, alba, planulata, inflexa, inferne dentem simulans. — Lat.  $\frac{9}{10}$ , alt.  $\frac{1}{10}$  poli. (G.)

*Helix cultrata* Gould 1846. Exped. shells p. 20.

Habitat in insulis Tahiti et Eimeo.

Obs. « Haud dissimilis *H. internae* Say, labio columellari lato, albo, inflexo distincta. »

56. *H. spirulata* Pfr.

T. imperforata, depressa, lenticularis, subtilissime striata, lineis elevatis concentricis utrinque notata, tenuis, fulva, carinata: carina compressa, subexserta; spira parum elevata; anfr. 5 lente crescentes, supra carinam convexiusculi, ultimus basi vix convexus, medio impressus; apertura depressa, subrhomboidea; perist. simplex, acutum. — Diam. maj. 9, min.  $8\frac{1}{2}$ , alt. 4 mill. (Coll. Nr. 35.)

*Helix spirulata* Pfr. in Proc. Zool. Soc. 1845. p. 129.

— — Chemn. ed. II. Helix N. 220. t. 30. f. 11—14.

Habitat in America centrali: Real Llejos (Cuming).

57. *H. fastigiata* Hutton. †

T. parvula, albido-cornea, minutissime granulata, pyramidata, subtus plano-convexa; anfr. 7 convexiusculi, ultimus acute angulatus; sutura leviter impressa; umbilicus evanescens; apertura latior quam longa; apex obtusus. — Axis 0,46 poli. (Hutt.)

*Helix fastigiata* Hutt. in Journ. As. Soc. VII. P. I. p. 217.

— — Wieg. Arch. 1839. II. p. 222.

Habitat in Himalayah, prope Simla.

58. *H. succinulata* Le Guillou. †

T. orbicularis, convexo-depressa, dilute succinea, nitidissima, pellucida; anfr. 5 depressi, ultimus vix carinatus, subtus con-



vexus, medio depressus; spira obtusa; apertura obliqua, semi-rotunda, acuta, anteriore superne vix angulata. — Diam. 8, alt.  $5\frac{1}{2}$  mill. (Guill.)

*Helix succinulata* Le Guill. in Revue zool. 1842. p. 138.

$\beta$ . Minor, tenuior, pallidior.

Habitat in insula Gouaham, var.  $\beta$  in Noukahiva etc.

#### 59. *H. tongana* Quoy.

T. imperforata, orbiculato-conica, striatula, fragilis, pellucida, carinata, corneo-albicans; anfr. 6 convexiusculi, ultimus basi subimpressus; apertura angulato-lunaris; perist. simplex, acutum, margine columellari brevissime reflexo. — Diam. maj. 7, min.  $6\frac{2}{3}$ . alt. 5 mill. (Coll. Nr. 36.)

*Helix tongana* Quoy et Gaim. Astrol. II. p. 130. t. 11. f. 19—23.

— — Lam. ed. Dh. 190. p. 119.

— — Chemn. ed. II. Helix N. 643. t. 99. f. 28—30.

Habitat in insula Tonga Tabou (Quoy), in insula Negros Philippinarum (Cuming).

#### 59°. *H. pertenuis* Gould. †

T. minuta, subglobosa, pellucida, nitidissima, viridi-aurea, imperforata; spira depressa; anfr.  $4\frac{1}{2}$  convexi, ultimus amplus, ad peripheriam angulatus, infra sulcis remotis radiatus; apertura ampla, lunata; labrum simplex. — Lat.  $\frac{1}{8}$ , alt.  $\frac{1}{10}$  poll. (G.)

*Helix pertenuis* Gould 1846. Exped. shells p. 20.

Habitat in insula Aurora.

Obs. \*Aliquantulum similis *H. electrinae* et *lucidae*, sed magis globulosa.

#### 60. *H. gradata* Pfr.

T. imperforata, globoso-turbinata, striatula, tenuis, hyalina; spira turbinata, apice acuta; anfr. 6 convexiusculi, gradati, ultimus medio acute carinatus, basi convexus, sub lente minutissime concentricè striatus; apertura subtetragono-lunaris; perist. simplex, acutum, margine columellari breviter et verticaliter descendente. — Diam. maj. 5, min.  $4\frac{2}{3}$ , alt. 5 mill. (Mus. Cuming.)

*Helix gradata* Pfr. in Proc. Zool. Soc. 1846. p. 110.

Habitat in insula Leyte Philippinarum.

Obs. Differt ab *H. tongana* praecipue spira elevata.

#### 61. *H. miscella* Férussac.

T. imperforata, orbiculato-convexiuscula, tenuis, obsoletissime striatula, nitida, pellucida, pallide cornea; anfr.  $5\frac{1}{2}$  planiusculi, ultimus carinatus, basi convexiusculus, medio impressus;

apertura subverticalis, angulato-lunaris; perist. simplex, tenue, margine columellari oblique arcuato, subincrassato. — Diam. maj. 8, min. 7, alt. 4 mill. (Coll. Nr. 37.)

*Helix misella* (Helicostyla) Fér. pr. 306.

— — Fér. in Voy. de Freycinet. Zool. p. 473.

— — Quoy et Gaim. Astrol. II. p. 122. t. 10. f. 5—9.

— — Lam. ed. Dh. 195. p. 121.

— — Chemm. ed. II. Helix N. 210. t. 29. f. 14—16.

Habitat in insulis Moluccis, Guam (Quoy), in insulis Sandwich. (Griffith.)

61°. *H. cicercula* Gould. †

T. depresso-globosa, tenuis, subopaca, imperforata, albido-virescens, striis incrementi conspicuis et striis volventibus sparsis unsculpta, infra rotundata, fovea centrali modica; spirae anfr. 5 convexi, ultimus angulatus; apertura lunata; labrum simplex; columella superne vix reflexa. — Lat.  $\frac{1}{4}$ , alt.  $\frac{3}{20}$  poll. (G.)

*Helix cicercula* Gould 1846. Exped. shells p. 20.

Habitat in montibus insulae Hawaii.

62. *H. subrutila* Mighels. †

T. imperforata, orbicularis, depressa, pellucida, glabra, nitida, lutescens, subcarinata; anfr. 5 convexiusculi; apertura semilunaris, leviter gibbosa; labrum simplex, tenue. — Diam. 0,3—0,4". (M.)

*Helix subrutila* Mighels in Bost. Proc. 1845. p. 19.

Habitat in insula Oahu.

62°. *H. cryptoportica* Gould. †

T. parva, orbiculari-depressa, ad apicem acuta, tenuis, pellucida, nitida, luteo-virescens, leviter striata, infra rotundata, imperforata, fovea parva centrali; spirae anfr.  $5\frac{1}{2}$ ; convexiusculi, ultimus carinatus; sutura impressa, marginata; apertura lunata; labrum simplex; columella superne valde intorta, sinum angustum, centralem formans. (G.) — Dimens.?

*Helix cryptoportica* Gould 1846. Exped. shells p. 20.

Habitat . . . ?

Obs. «Persimilis *H. subrutilae* Migh.; differt striarum spiraliū defectu et columellae formatione.»

63. *H. sardiniensis* Porro. †

T. orbiculata, rubiginosa, pellucida, argute striata, carinata, subtus valde convexa; anfr. 5, sutura evidente distincti, maculis

obscurioribus nubeculati; carina albida; labrum simplex, rectum; apertura subtetragona. — Diam. 3—5, alt. 2 mill. (Porro)

*Helix sardiniensis* Porro in Revue zool. 1838. p. 225.

— — Villa disp. syst. p. 34.

Habitat in Sardinia.

Obs. Descriptio incompleta An huc referenda? An forma adulta?

§. 9.

64. *H. caffa* Férussac.

T. perforata, inflata, subdepresso-globosa, tenuis, fragilis, costulato-striata, viridula, fusco-viridi irregulariter strigata; spira brevis, obtusa; anfr. 4 convexiusculi, ultimus subdepressus; apertura magna, lunato-ovalis, intus margaritacea; perist. tenue, acutum, simplex, marginibus callo tenui junctis, columellari reflexo, perforationem semioccultante. — Diam. maj. 54, min. 40, alt. 30 mill. (Mus. Cuming.)

*Helix caffa* (Helicophanta) Fér. pr. 3. Hist. t. 9 A. f. 8.

— — Wood suppl. t. 7. f. 36.

— — Lam. ed. Dh. 468. p. 107.

— — Chemn. ed. II. Helix N. 444. t. 74. f. 1—3.

*Helicophanta caffa* Beck ind. p. 46.

Habitat in Promontorio bonae spei.

65. *H. nicobarica* Chemnitz.

T. perforata, sinistrorsa, solida, globulosa, oblique striata, castaneo-rufa, ad peripheriam, suturam et basin albo-zonata; spira brevis, obtusa; anfr. 5½ convexiusculi, ultimus antice descendens, basi inflatus; apertura rotundato-lunaris, intus concolor; perist. simplex, obtusum, album, margine columellari reflexiusculo, perforationem fere tegente. — Diam. maj. 37, min. 30, alt. 27 mill. (Mus. Gray.)

*Helix* (pomatia contraria) *nicobarica* Chemn. IX. P. 1. p. 79. t. 108

f. 94 t. 12.

— *nicobarica* Desh. in Guér. mag. 1839. t. 3.

— — Chemn. ed. II. Helix N. 22. p. 49. t. 6. f. 6. 7.

— — — — —  
Habitat in insulis Nicobaricis.

*H. acutirugata* Beck.

convexiuscula, pallide fulvescens, striis concentricis superne usque ad

subdecussata; anfr. 5 convexiusculi,

inflatus; perist. sim-

plex, obtusum, margine columellari dilatato, perforationem fere tegente. — Diam. maj. 34, min. 25, alt. 24 mill. (Coll. Nr. 38.)

*Galaxias semirugata* Beck ind. p. 42. (ex synonym.)

*Helix globulus* Chemn. LX. P. 2. p. 126. t. 130. f. 1159. 60. Nec Müller.

— — *Lam.* 20. p. 74. ed. Dh. p. 38.

— — *Fér. hist.* t. 26. f. 10—12.

— — *Küst. Helix* p. 33.

— *semirugata* Chemn. ed. II. *Helix* p. X. t. 3. f. 11. 12.

Habitat in Bengalia.

Obs. 1. Lineae concentricae in aliis speciminibus ultra peripheriam descendunt, in aliis obsoletissimae sunt.

Obs. 2. *H. globulus* Müll. peristomate incrassato, undique reflexo valde differt (Cenf. Nr. 838.)

#### 67. *H. tranquebarica* Fabricius.

T. anguste umbilicata, globosa, crassa, distincte striata, lineis obsoletis superne decussata, albida; spira elevata; anfr. 5½ convexiusculi, ultimus antice descendens; apertura lunato-ovalis, intus lactea; perist. subincrassatum, marginibus convergentibus, columellari calloso, reflexo, umbilicum non tegente. — Diam. maj. 24, min. 17, alt. 15 mill. (Mus. Cuming.)

*Helix tranquebarica* Fabr. et Mus. Paris.

*Galaxias tranquebarica* Beck ind. p. 42.

Habitat in Tranquebar.

Obs. Differt ab *H. semirugata* testa crassa, spira elata, umbilico majore, aperto, margine peristomatis columellari crassiore, magis reflexo. An nihilominus ejus varietas?

#### 68. *H. Bombayana* Grateloup. †

T. subglobosa, paululum depressa, subdiaphana, nitida, pallide rosea, longitudinaliter subtilissime striata; anfr. 5 convexi; umbilicus parvulus; apertura semirotundata; labrum acutum, extus album. — Diam. 26, alt. 20 mill. (Grat.)

*Helix bombayana* Grat. in Act. Bord. XI. p. 406. t. 1. f. 1.

Habitat in India orientali: Bombay.

Obs. An var. *H. Belangeri*? — An potius var. *H. semirugatae*?

#### 68. *H. calva* Gould. †

T. tenuis, depresso-globosa, nitida, pallide stramineo-virescens, arcte umbilicata; spirae anfr. 5 haud turgidi, striis incrementi obsoletis; sutura haud impressa, marginata; apertura semi-

lunaris; labrum simplex, acutum, ad umbilicum paulum reflexum.  
— Lat.  $\frac{1}{2}$ , alt.  $\frac{1}{2}$  poll. (G.)

*Helix calva* Gould 1846. Exped. shells p. 25.

Habitat in insulis Feejee.

Obs. 1. «Similis *H. luridae* Gould (Nr. 83\*), sed minor, colore laetiore, omnino distincta spira glabra, nitida, rotundata, simili apici *Helicis Moricandi* vel *lychnuchi*. Ad *Naninam* pertinere videtur.»

Obs. 2. Nomen mutandum ob *H. calvam* Lowe.

#### 69. *H. ravida* Benson.

T. perforata, globosa, tenuis, cornea, pellucida, striis longitudinalibus et transversis obsolete decussata; spira breviter conoidea, acutiuscula; anfr.  $5\frac{1}{2}$  convexiusculi, ultimus ventrosus; apertura lunato-circularis; perist. simplex, acutum, margine columellari arcuato, dilatato, fornicato-reflexo, perforationem occultante. — Diam. maj. 45, min. 43, alt. 42 mill. (Spec. authent. Mus. Britt. et Coll. Nr. 39.)

• *Helix ravida* Benson in Ann. and mag. nat. hist. IX. 1842. p. 486. \*)

— — *Chemn.* ed. II. *Helix* N. 467. t. 34. f. 4. 2.

Habitat in insula Chusan Chinae.

#### 70. *H. rosea* Jan. †

T. ventricosus-globosa, subperforata, tenuis, subcarinata, rosea; apertura lunato-ovata; perist. simplex. — Alt. 4, lat. 6 lin. Apert. diam. long.  $3\frac{1}{2}$ , transv. 3 lin. (Jan.)

*Helix rosea* Jan Mantissa p. 2.

Habitat in Italia boreali.

#### 71. *H. dioscoricola* Adams.

T. minima, subperforata, turbinato-globosa, tenuis, subtilissime striata, cornea; spira elevata, obtusa; anfr. 3 —  $3\frac{1}{2}$  convexi, ultimus medio subimpressus; apertura lunato-rotundata; perist. simplex, acutum, margine columellari subverticaliter descendente, brevissime reflexo. — Diam. maj.  $4\frac{3}{4}$ , min.  $4\frac{1}{2}$ , alt.  $4\frac{1}{2}$  mill. (Coll. Nr. 40.)

*Helix dioscoricola* Adams in Bost. Proc. 1845. p. 46. \*\*)

— — *Chemn.* ed. II. *Helix* N. 244. t. 30. f. 29 — 32.

Habitat in insula Jamaica.

\*) T. subglobosa, umbilicata, epidermide olivacea; anfr. 6 transverse subplicatis, ultimo ventricosus; suturis impressis; umbilico mediocri; apertura suborbiculari, elongatiuscula, labio reflexo, tenui, explanato, labro acuto. — Axis 4.3, diam. 4.33. (Bens. l. c.) Descriptio ad *H. helvaceam* potius referenda videtur. Conf. Nr. 498.

\*\*) T. minima, tenui, subglobosa, imperforata; anfr. 3 perconvexi, ultimo rotundato, subtus anguste indentato; labro tenui. — Div. 70°. Alt. 0,05, lat. max. 0,06, min. 0,05 poll. (Ad l. c.)

§. 10.

72. *H. Humphreysiana* Lea.

T. aperte perforata, orbiculato-conoidea, subtus convexa, ruguloso-granulata, luteo-fulva, ad peripheriam castaneo-fasciata; spira elata, acutiuscula; anfr. 6—7 convexiusculi, ultimus circa perforationem compressus; apertura obliqua, lunaris; perist. simplex, acutum, margine columellari vix reflexo. — Diam. maj. 53, min. 47, alt. 33 mill. (Coll. Nr. 44.)

*Helix Humphreysiana* Lea in Transact. Am. phil. Soc. VII. p. 463. t. 42. f. 16.

— — — *Chama.* ed. II. *Helix* N. 468. t. 34. f. 3. 4.

— . . . . . *Fér.* hist. Livr. 34. t. 2. f. 7.

β. Pallide lutea, absque fascia, basi fulvenscens. (Mus. Cuming.)

Habitat in India orientali: Pondichery, Singapore.

73. *H. gemina* v. d. Busch.

T. angustissime umbilicata, depresso-turbinata, obsolete angulata, striis concentricis et obliquis irregulariter subgranulosa, brunnea, basi pallida, lutescens, medio fascia alba, rufae angustiori adnata, circumdata; anfr. 6 celeriter crescentes, vix convexiusculi; apertura lunato-ovalis; perist. simplex, superne inflexum. — Diam. maj. 49, min. 44, alt. 28 mill. (Coll. Nr. 42.)

*Helix gemina* v. d. Busch in Phil. Icon. L. 4. p. 9. t. 4. f. 4.

— — — (Nanina?) *Pfr.* Symb. II. p. 48.

Habitat in insula Java (Winter)!

Obs. An varietas praecedentis?

74. *H. Clairvillia* Férussac. †

T. perforata, subturbinata, laevis, lutescens, superne fusca; anfr. 6 convexi, ultimus tumidus; apertura rotundato-lunaris; perist. album, obtusum, margine columellari declivi, subarcuato, reflexiusculo. — Diam. maj. 43, min. 36, alt. 32 mill. (Descript. et mensura ex ic.)

*Helix Clairvillia* (Helicella) *Fér.* pr. 243. Hist. t. 94. f. 4.

*Nanina Clairvillia* Gray in Proc. Zool. Soc. 1834. p. 59.

— — — *Beck* ind. p. 3.

*Geve* t. 26. f. 277. (teste Beck.)

β. Albida, sufractu ultimo in fundo castaneo late albo-zonato:

*Helix Clairvillia* α *Fér.* hist. t. 94. f. 2. 3.

Habitat in insula Amboina. (Beck.)

Obs. Haec species varietatibus nonnullis *H. Humphreysianae* persimilis videtur.

75. *H. Foullioyi Le Guillou*. †.

T. orbiculato-conoidea, umbilicata, sub epidermide olivacea fulvo-olivacea, subtus depresso-concava, alba; anfr.  $5\frac{1}{2}$  ad suturam depressiusculi, tenuiter cancellato-granulati, infimus medio fascia alba inferne late violaceo-nigricante marginata cinctus; umbilicus profundus, ad peripheriam angustatus; apertura obliqua, semioblunga, postice et basi sinuata ac angustata; labrum acutum, ad umbilicum reflexum. — Diam. 46, alt. 29 mill. (Guill.)

*Helix Foullioyi Le Guillou* in Revue zool. 1843. p. 187.

Habitat ad Triton-Bay Novae Guineae.

76. *H. Stuartiae Sowerby*.

T. obsolete perforata, depresso-turbinata, striata, alba, fasciis fuscis et nigricantibus varie ornata; spira late conoidea; anfr. 6 vix convexiusculi, ultimus basi subplanulatus; apertura perobliqua, lunaris; perist. simplex, margine supero antrorsum arcuato, columellari breviter reflexo, perforationem fere tegente. — Diam. maj. 40, min. 36, alt. 26 mill. (Mus. Cuming. et Gruner.)

*Helix Stuartiae* Sow. in Mus. Britt.!

— — Pfr. in Zeitschr. f. Mal. 1845. p. 154.

— — Chemn. ed. II. Helix N. 311. t. 54. f. 9. 11.

— . . . . Fér. hist. t. 87. f. 5.

Habitat in insula Celebes.

77. *H. castanea Müller*.

T. perforata, subglobosa, obscura, castanea, fascia rufa albae adnata, anfractibus striatis. — Diam. 47 lin. (Müll.)

*Helix castanea* Müll. verm. II. p. 67. N. 262.

— — Chemn. IX. P. 2. p. 135. t. 134. f. 1177. 78.

*Nanina castanea* Beck ind. p. 4.

Habitat in insula Sumatra. (Beck.)

Obs. Cl. Müller speciem accuratius sic describit: «tosta pellucida, supra et subtus convexa, dura, crassa, luteo-castanea, absque nitore, striis confertis argutis insignita; nullas lineas concentricas, nec puncta elevata in hac oculus armatus detegit. Anfractus 7, fascia angusta rubra in medio majoris carinam mentitur, supra adjacente alia albida. Centrum ad apicem usque perforatum, patulum, anfractus ullus in eo aegre conspicuus. Area centri maculata, seu saturatus castanea. Apertura lunata absque labio.» Conf. Pfr. in Zeitschr. f. Mal. 1844. p. 180.

78. *H. Juliana (Nanina) Gray*.

T. aperte perforata, depresso-turbinata, apice obtusa, solida, ponderosa, laevigata, ad suturam striata, alba; anfr. 5 convexiusculi, ultimus autice roseus, ad suturam linea rufa cinctus, ad peripheriam fascia castanea deorsum diluta ornatus, basi planiusculus.

medio impressus, area umbilicari fusca; apertura oblique lunaris; perist. simplex, obtusum, margine basali subincrassato. — Rat. anfr. = 11 : 16. — Diam. maj. 43, min. 36, alt. 23 mill. (Coll. Nr. 43.)

*Nanina Juliana* Gray in Proc. Zool. Soc. 1834. p. 58.

— — *Müller* synops. p. 5.

*Helix rosacea* Sow. in Beech. voy. p. 143. t. 38. f. 2.

— *Dufourii* Grat. in Act. Bord. XI. p. 407. t. 1. f. 2.

— *citrinoides* Grat. ibid. p. 161.

— *commendabilis* Fér. pr. 235. (teste Grat.)

— *Juliana* Chemn. ed. II. Helix N. 180. t. 33. f. 15—17.

Habitat in insula Ceylon.

Obs. Hanc speciem cum vera *H. castanea* Mulleri identicam esse, ex descriptione Mülleriana et icone Chemnitziana plane persuasus sum. — Variat spira omnino castanea, ultimo anfractu saturate roseo, fascia suturali lata, castanea.

#### 79. *H. cidaris* Lamarck. †

T. orbiculato-conoidea, subumbilicata, oblique striata, alba, linea rubra cincta; spira turgida, apice obtuso; anfr. 6 vix convexiusculi; apertura rotundato-lunaris; perist. simplex, acutum, margine columellari dilatato, reflexo, umbilicum angustum non occultante. — Diam. maj. 34, min. 30, alt. 26 mill. (ex ic. Deless.)

*Helix cidaris* Lam. 43. p. 77. ed. Dh. p. 45.

— — *Delessert* recueil t. 26. f. 11.

*Nanina rapa* Beck ind. p. 3.

Habitat in insula Timor. (Lam.)

Obs. Ex icone patet, hanc cum *H. rapa* Müll. conjungi non posse.

#### 80. *H. fulvida* Pfr.

T. subperforata, globoso-turbinata, tenuis, pellucida, pallide fulvescens, superne sub lente confertissime granulosa, basi glabra, nitida; spira elata, apice obtusa; anfr. 5½, supremi plani, 1½ ultimi rotundati; apertura lunaris; perist. simplex, margine columellari subincrassato, ad perforationem obsoletam reflexo. — R. a. = 9 : 10. — Diam. maj. 34, min. 27½, alt. 22 mill. (Coll. Nr. 44.)

*Helix fulvida* Pfr. in Proc. Zool. Soc. 1842. p. 87.

— — *Phil.* Icon. I. 2. p. 21. t. 2. f. 2.

— — *Chemn.* ed. II. Helix N. 171. t. 34. f. 11. 12.

— — (*Nanina*?) *Pfr.* Symb. II. p. 18.

Habitat in insula Mindanao (Cuming).

Obs. Forma *H. cidari* Lam. (Deless.) simillima; differt colore, granulis et perforatione obsoleta. Affinis potius *H. Cuvierianae* carinatae!



81. *H. nemorensis* Müller.

T. subperforata, orbiculato-conica, solida, nitida, alba, fasciis fuscis circumdata; anfr. 6 vix convexiusculi; apertura lunato-rotundata; perist. simplex, acutum, margine basali introrsum incrassato, ad columellam reflexiusculo. — R. a.  $\approx$  7 : 12. — Diam. maj. 33, min. 30, alt. 25 mill. (Coll. Nr. 45.)

*Helix nemorensis* Müll. verm. II. in ind.

— — (Helicella) Pér. pr. 232.

— — Chemn. ed. II. *Helix* N. 183. t. 35. f. 9—11.

— *nemoralis* Müll. verm. II. p. 62. N. 257.

— *cretacea* Born Mus. p. 376. t. 16. f. 1. 2.

— — Chemn. IX. P. 2. p. 119. t. 129. f. 1146. 47.

— *Neuwaldi* De Haan. (Mke synops.)

*Nanina nemorensis* Gray in Proc. Zool. Soc. 1834. p. 59.

— — Beck ind. p. 4.

Habitat in insulis Moluccis et Nova Hibernia (Ilinds).

Obs. Differt ab *H. cidari* Lam. anfractibus planioribus, rapidius accrescentibus, apertura minore, magis transversa.

82. *H. trochus* Müller. †

T. imperforata, trochiformis, conica, alba, fascia lata rufa, vertice obtuso. — Diam. 10 lin. (Müll.)

*Helix trochus* Müll. verm. II. p. 79. N. 275.

— — Chemn. ed. II. *Helix* N. 127. t. 24. f. 13. 14.

*Trochus hortensis* Chemn. IX. P. 2. p. 52. t. 122. f. 1055. 56.

*Nanina trochus* Beck ind. p. 4.

Habitat in India orientali?

Obs. 1. "Testa subtus planiuscula, apice obtusa alba, absque nitore. Anfr. 6 convexi. Apertura lunata absque labro, intus alba, absque fasciae vestigio. Foramen in perfectis claudi, labrumque enasci suspicor." (Müll.) — "Testa tenuis, 4 poll. alta, 10 lin. diam. Apertura ampla; perist. simplex." (Chemn.)

Obs. 2. Cl. Deshayes speciem Mullerianam dubitanter ad *H. viridem* refert. Conf. Nr. 592.

83. *H. inquinata* v. d. Busch.

T. subperforata, conico-semiglobosa, tenuis, nitidula, minutim granulata, cervina; anfr. 5½ planiusculi, ultimus flammulis et maculis brunneis aspersus, obsolete carinatus, antice rotundatus; apertura subrhombico-lunaris; perist. simplex, acutum. — Diam. maj. 28, min. 23, alt. 16 mill. (Coll. Nr. 46.)

*Helix inquinata* v. d. Busch in Phil. Icon. I. 4. p. 10. t. 1. f. 4.

— — Pfr. Symb. II. p. 19.

— — Chemn. ed. II. *Helix* N. 169. t. 34. f. 5. 6.

Habitat in insula Java (Winter).

**83°. H. lurida Gould. †**

T. globoso-conica, depressa, glaberrima, nitida, livido-castanea, infra pallescens, ad umbilicum minutum declivis; spirae anfr. 6 convexi, radiatim et obtuse striati, ultimus prope aperturam subangulatus; sutura impressa, marginata; apertura lunata, fauce livida; labrum acutum, ad umbilicum reflexum, album. — Lat. 4, alt.  $\frac{1}{2}$  poll. (G.)

*Helix lurida* Gould 1846. Exped. shells p. 25.

Habitat in insulis Feejee.

Obs. Num forsan *H. Pfeifferi* potius affinis? Num eadem species?

**84. H. rubicunda Pfr.**

T. perforata, depresso-turbinata, rugoso-striata, obsolete et minutissime granulata, sub epidermide cornea, decidua rubicunda; anfr.  $5\frac{1}{2}$  subplanulati, ultimus medio obsolete angulatus, basi convexior; apertura oblique lunaris, perist. simplex, rectum, margine dextro antrorsum dilatato, columellari dilatato, reflexo, perforationem semioccultante. — Diam. maj. 27, min. 24, alt. 45 mill. (Coll. Walton.)

*Helix rubicunda* Pfr. in Proc. Zool. Soc. 1845. p. 72.

Habitat . . . ?

**84°. H. Gardeneri Pfr.**

T. subperforata, turbinata, solida, striis longitudinalibus et spiralibus distantioribus decussata, nitida, castanea; spira elevata, acutiuscula; anfr.  $6\frac{1}{2}$  convexiusculi, ultimus major, sublaevigatus, ad peripheriam cingulo albo ornatus; apertura oblique lunaris, intus alba; perist. simplex, rectum, margine columellari subincrassato, superne subdilatato, perforationem fere claudente. — Diam. maj. 22, min. 19, alt. 45 mill. (Mus. Cuming.)

*Helix Gardeneri* Pfr. in Chemn. ed. II. Helix N. 703. t. 412. f. 42. 43.

Habitat in sylvis insulae Ceylon, 8000' supra mare. (Dr. Gardener.)

**85. H. Salomonis Le Guillou. †**

T. orbiculata, depresso-subconica, umbilicata, cancellata; anfr. 6 depresso-convexi, ultimus rotundatus, subtus depressus, planus; apertura obliqua; labrum acutum; labium obliquissimum superne reflexum, umbilicum minimum suboccultans. — Diam., 48, alt. 43 mill. (Guill.)

*Helix Salomonis* Le Guillou in Revue zool. 1842. p. 437.

Habitat in insulis Salomonis.

**86. H. spectabilis Pfr.**

T. subperforata, turbinato-depressa, solida, nitidissima, corneo-lutea, fascia 4 rufa vel nigricante percurrente ornata; spira

magis minusve elevata, apice saepe rubicunda; anfr.  $5\frac{1}{4}$  convexiusculi, ultimus infra fasciam angulatus; apertura late lunaris; perist. simplex, acutum, margine columellari subreflexo, perforationem tegente. — Diam. maj. 17, min. 15, alt. 10 mill. (Coll. Nr. 47.)

*Helix spectabilis* Pfr. in Proc. Zool. Soc. 1845. p. 44.

— — Phil. Icon. I. 7. p. 155. t. 4. f. 13.

— — Chemn. ed. II. Helix N. 165. t. 32. f. 3. 4.

β. Unicolor virescenti-flavida:

*Helix spectabilis* var. Chemn. ed. II. Helix t. 32. f. 5. 6.

Habitat in insula Samar, var. in iusula Leyte Philippinarum (Cuming).

### 87. *H. glauca* (Nanina) Benson.

T. subperforata, orbiculato-conoidea, glaberrima, nitida, glaucescenti-hyalina; spira elevata, acutiuscula; anfr.  $6\frac{1}{2}$  convexiusculi, ultimus multo latior, rotundatus; apertura subverticalis, lunaris; perist. simplex, rectum, margine columellari vix dilatato, perforationem fere claudente. — Diam. maj.  $42\frac{1}{2}$ , min. 44, alt.  $7\frac{3}{4}$  mill. (Coll. Nr. 48.)

*Nanina glauca* Benson. (teste v. d. Busch.)

*Helix glauca* Bens. Pfr. Symb. III. p. 65.

— — Phil. Icon. III. 47. Helix t. 10. f. 8.

— — Chemn. ed. II. Helix N. 539. t. 87. f. 1—3.

Habitat in Bengalía: Almorah (v. d. Busch).

### 88. *H. vesicula* (Nanina) Benson. †

T. tenuis, depressiuscula, pallide cornea, translucens, polita, supra conoidea, apice acuminata, infra tumidiuscula; anfr. 6; aperturae longitudo latitudinem aequans; labrum subrectum ad axin spectans. — Diam. 0,6 poll. (B.)

*Nanina vesicula* Bens. in Journ. As. Soc. VII. p. 216.

Habitat in montibus Himalayae.

### 89. *H. fragilis* (Nanina) Hutton. †

T. tenuis, fragilis, vitrea, olivacea, conico-discoidea; spira subexserta, apice obtusa; anfr. 5 supra convexi, subtus subplanulati; apertura obliqua, rotundato-ovata; perist. acutum — Diam. 0,35 poll. (H.)

*Nanina fragilis* Hutton in Journ. As. Soc. VII. p. 216.

Habitat in Himalaya, prope Kirmalliah.

### 90. *H. ligera* Say.

T. perforata, orbiculato-convexa, nitida, pallide lutea, superne arcuatim costulato-striata, basi laevigata; anfr.  $7\frac{1}{2}$  vix convexius-

culi, ultimus basi planior; apertura lunaris; perist. simplex, acutum, rectum, margine columellari vix reflexiusculo, intus subincrassato. — Diam. maj. 15, min. 13½, alt. 10—11 mill. (Coll. Nr. 49.)

*Helix ligera* Say in Philad. journ. II. p. 157.

— — *Binney* in Bost. journ. III. p. 412. t. 20. f. 1.

— — *Chemn.* ed. II. Helix N. 176. t. 33. f. 5—7.

— *Wardiana* Lea obs. II. p. 67. t. 23. f. 82.

— *Rufesquea* Fér. pr. 311 ? Hist. t. 51 A. f. 5.

*Lister* t. 81. f. 82. (Say.)

Habitat in America boreali: Missouri, Kentucky, Cincinnati.

Obs. *H. Wardiana* colore animalis solum diversa dicitur.

### 91. *H. intertexta* Binney.

T. perforata, orbiculato-convexa, luteo-fulva, oblique argute striata, lineis confertis concentricis granulato-decussata; spira elevata, obtusa; anfr. 6½ convexiusculi, ultimus obsolete angulatus, fasciis obsolete saturatioribus cinctus; apertura lunaris; perist. simplex, rectum, acutum, margine columellari superne reflexiusculo, intus calloso-incrassato. — Diam. maj. 15, min. 13½, alt. 10 mill. (Coll. Nr. 50.)

*Helix intertexta* Binn. in Bost. journ. III. p. 413. t. 20. f. 2.

— — *Phil.* Icon. II. 9. p. 5. t. 6. f. 16.

— — *Chemn.* ed. II. Helix N. 177. t. 33. f. 8—10.

Habitat in Pennsylvania (Griffith), Ohio, Carolina septentr. (Binney.)

Obs. Differt ab *H. ligera* sculptura decussata, utrinque aequali.

### 92. *H. portoricensis* Pfr.

T. perforata, subturbinato-depressa, tenuis, diaphana, cornea, confertim striata; spira elevata, acutiuscula; anfr. 5 convexiusculi, sutura profunda disjuncti, ultimus striis nonnullis spiralibus notatus; apertura subverticalis, lunaris; perist. simplex, acutum, margine columellari ad umbilicum angustissimum dilatato-reflexo. — Diam. maj. 10, min. 9, alt. 7 mill. (Coll. Gruner.)

*Helix Portoricensis* Pfr. in Zeitschr. f. Mal. 1847. p. 13.

Habitat in insula Portorico.

### 93. *H. turbiniformis* Pfr.

T. perforata, trochiformis, oblique striatula, corneo-albida; spira elevata, apice acuta; anfr. 5 convexi, parum exserti; apertura lunaris; perist. simplex, acutum. — Diam. maj. 7, min. 6½, alt. 4½ mill. (Coll. Nr. 51.)

*Helix turbiniformis* Pfr. in Wieg. Arch. 1839. I. p. 350.

— — *Chemn.* ed. II. Helix N. 644. t. 99. f. 31—33.

*Helix pyramidaloides* Orb. cub. I. p. 156. t. 8. f. 5—8

— *subpyramidalis* Adams in Bost. Proc. 1845. p. 15

?? Perdepressa, apice obtuso, umbilico latiore. — Div. 155". Alt. 0.1  
lat. max. 0.25, lat. min. 0.22 poll. (Ad.)

*Helix depressa* Adams in Bost. Proc. 1845. p. 16.

Habitat in insulae Cubae provincia Canimarensi rara! Etiam in Jamaica, sicut var.  $\beta$ . (Adams.)

#### 94. *H. doliolum* Pfr.

T. perforata, turbinata, confertissime et minute costulato-striata, pellucida, non nitens, cornea; spira turbinata, apice obtusiuscula; anfr. 5 convexiusculi, ultimus basi subplanatus; apertura depressa, late lunaris; perist. simplicissimum, rectum. — Diam. maj.  $3\frac{1}{2}$ , min.  $3\frac{1}{4}$ , alt.  $2\frac{1}{2}$  mill. (Mus. Cuming.)

*Helix doliolum* Pfr. in Proc. Zool. Soc. 1846. p. 44.

Habitat prope Sihonga insulae Zebu (Cuming).

#### 95. *H. Gundlachi* Pfr.

T. subperforata, turbinato-depressa, nitida, fulva; anfr. 5 convexiusculi, lente accrescentes, ultimus basi subplanulatus, sub lente lineis concentricis sculptus, circa perforationem excavatus; apertura depressa, lunaris; perist. simplex, rectum, acutum. — Diam. maj.  $2\frac{1}{2}$ , min.  $2\frac{1}{4}$ , alt.  $1\frac{1}{2}$  mill. (Coll. Nr. 52.)

*Helix Gundlachi* Pfr. in Wieg. Arch. 1840. I. p. 250.

— — Chemn. ed. II. Helix N. 213. t. 30. f. 25—28.

— *pusilla* Pfr. in Wieg. Arch. 1839. I. p. 354. Nec Lowe.

Habitat in insulae Cubae provincia Canimarensi!

Obs. Similis speciminibus junioribus *H. fulvae*.

#### 96. *H. aculeata* Müller.

T. perforata, pusilla, globoso-turbinata, corneo-lutescens, lamellicostis; costis in ciliis elongatis; anfr. 4 convexi; apertura rotundata; perist. membranaceum, subexpansum, marginibus approximatis. — Diam.  $2\frac{1}{2}$ , alt.  $2\frac{3}{4}$  mill. (Coll. Nr. 53.)

*Helix aculeata* Müll. verm. II. p. 81. N. 279.

— — Drap. p. 82. t. 7. f. 10. 44.

— — C. Pfr. III. p. 24. t. 4. f. 24. 25.

— — Rossm. VIII. p. 38. f. 536.

— — Lam. ed. Dh. 442. p. 79.

— — Gray Manual p. 149. t. 4. f. 33.

— — Dupuy moll. du Gers p. 45. N. 3.

— — Morelet moll. du Port. p. 72.

— — Chemn. ed. II. Helix N. 178. t. 33. f. 44. 42.

— *nucleata* Turt. (teste Mont.)

*Helix spinulosa* Lightf. Phil. transact. 1786. p. 466. t. 2. f. 1. 5.

— — Mont. test. brit. p. 429. t. 44. f. 40.

— — Wood t. 33. f. 69.

— *delectabilis* Soland. mss. (teste Mont.)

— *Granatelli Bivon.* fil. in Occhio 1839. N. 9. f. 2.

*Teba spinulosa* Leach moll. p. 100.

*Trochus terrestris* Penn. p. 292. t. 83. f. 5.

*Trochilus terrestris* Da Costa p. 36.

*Fruticicola aculeata* Held in Isis 1837. p. 944.

Habitat in Germania, Gallia, Britannia, Italia, Lusitania etc.

97. *H. lamellata* Jeffreys.

T. perforata, conoideo-globosa, membranaceo-costulata, sericina, cornea; anfr. 5 subaequales; apertura depressa, lunaris; perist. simplex, rectum, acutum. — Diam.  $2\frac{1}{3}$ , alt. 2 mill. (Coll. Nr. 54.)

*Helix lamellata* Jeffr. Linn. transact. XVI. p. 333.

— — Gray Manual p. 450. t. 5. f. 48.

— — Chemn. ed. II. Helix N. 479. t. 33. f. 43. 44.

— *scarburgensis* Turton Man. p. 62.

— — A. Müll. in Wieg. Arch. 1838. I. p. 208. t. 4. f. 4.

— — Rossm. VIII. p. 37.

— *seminulum* Rossm. VIII. f. 533.

Habitat in Anglia et Hibernia (Thompson). Prope Kiloniam Molsatae detexit A. Müller.

§. 44.

98. *H. Ibuensis* Pfr.

T. subperforata, trochiformis, tenuis, oblique costulato-striata, pellucida, pallide cornea; spira conica, acuta; anfr. 7 vix convexiusculi, ultimus acute carinatus, basi vix convexior, sublaevigatus; apertura depressa, late angulato-lunaris; perist. simplex, acutum, margine columellari subreflexo, perforationem fere claudente. — Diam. maj. 43, min. 42, alt. 40 mill. (Mus. Cuming. spec. max.)

*Helix Ibuensis* Pfr. Symb. III. p. 66.

Habitat ad Ibu Africae (Frazer).

99. *H. concentrica* Le Guillou. †

T. trochiformis, subfulva, pellucida, subumbilicata; anfr. 5 transversim obsolete striati (striis 3 remotis), ultimus carinatus, subtus depresso-convexus; spira conico-depressa; apertura sub-

ovata, anterieus subangulata, margine acuta; umbilicus minutissimus, obsoletus. — Diam. 7, alt. 6 mill. (Guill.)

*Helix concentrica* Le Guillou in Revue zool. 1842. p. 139.

Habitat in insula Tongana: Vavao.

#### 100. *H. pacifica* Pfr.

T. perforata, subtrochiformis, tenuis, pellucida; striatula, cornea; spira conoidea, acutiuscula; anfr. 6 —  $6\frac{1}{2}$  convexiusculi, ultimus acute carinatus, basi paulo convexior, laevigatus, nitidus; apertura depressa, angulato-lunaris; perist. simplex, acutum, margine columellari vix dilatato, in perforationem punctiformem inserto. — Diam. maj.  $5\frac{2}{3}$ , min. 5, alt. 4 mill. (Coll. Nr. 55.)

*Helix pacifica* Pfr. Symb. III. p. 66.

— — Chemn. ed. II. Helix N. 549. t. 88. f. 3—5.

Habitat in insula: Cocos island oceani pacifici.

O b s. Similis sequenti, basi multo minus convexa et apertura lunari diversa.

#### 101. *H. livida* (*Stenopus*) Guilding.

T. perforata, conica, tenuis, striatula, fusco-cornea, diaphana; spira conica, obtusiuscula; anfr. 6 convexiusculi, ultimus basi ventrosus, supra medium carinatus; apertura rotundato-lunaris; perist. simplex, acutum, rectum. — Diam. maj.  $4\frac{1}{3}$ , min. 4, alt.  $3\frac{1}{2}$  mill. (Coll. Metcalf.)

*Stenopus lividus* Guild. in Zool. Journ. III. p. 528. t. suppl. 27. f. 4—3.

— — Sow. Conch. Man. f. 516.

Habitat in insula St. Vincentii.

### §. 12.

#### 102. *H. stolephora* Valenciennes.

T. subobtectae perforata, subdiscoides, sublaevigata, oblique striata, obtuse angulata, superne depressa, pallidissime carneo-fulvescens, basi convexa, infra angulum fascia rufa, deorsum pallescente, reticulato-striata circumdata; anfr. 4 planiusculi; apertura perobliqua, valde depressa; perist. vix incrassatum, marginibus callo perforationem fere tegente junctis. — R. a. = 4 : 9. — Diam. maj. 52, min. 40, alt. 20 mill. (Coll. Nr. 56.)

*Helix stolephora* Valenc. in Humb. voy. Zool. II. p. 242. t. 56. f. 4.

— — Pfr. in Zeitschr. f. Mal. 1844. p. 179.

— — Chemn. ed. II. Helix N. 462. t. 32. f. 4. 2.

— *buphthalmus* (Helicella) Fér. pr. 238. Bull. zool. 1835. p. 33.

— *Lamarckiana* β Pfr. Symb. II. p. 19.

*Nanina bicolor* Pfr. Symb. I. p. 36.

*Eurycratera stolephora* Beck ind. p. 46.

Habitat in Nova Hispania (Valenc.), potius in Archipelago asiatico. (Fér.)

Obs. Affinis *H. Lamarckianae* Lea; differt spira depressiore, laevigata, peristomate subincrassato, etc.

103. *H. citrina* Linn.

T. perforata, orbiculato-convexa, striata, nitida, diaphana, pallide lutea, fasciis opacis albis 4 vel pluribus ornata; spira obtusa; anfr. 5 vix convexi, ad suturam linea impressa notati, ultimus basi convexus; apertura magna, lunaris; perist. simplicissimum, acutum, rectum, margine columellari vix reflexiusculo. — R. a. = 4 : 7. — Diam. maj. 44, min. 36, alt. 24 mill. (Coll. Nr. 57.)

*Helix citrina* Linn. syst. ed. X. p. 771. ed. XII. N. 679. p. 1245.

— — Born Mus. p. 377. t. 13. f. 44. 45. t. 45. f. 1—10.

— — Chemn. IX. P. 2. p. 130. t. 131. f. 1167—75.

— — Lam. 44. p. 77. ed. Dh. p. 45.

— — Fér. pr. 240. Hist. t. 71—73.

— — Fér. in Voy. de Freyc. Zool. p. 474. t. 67. f. 2. 3.

— — Chemn. ed. II. Helix N. 181. t. 24. f. 1. 2 ? t. 35. f. 1—5.

— — *variegata* Humphr. Mus. Calonn. (teste Fér.)

*Nanina citrina* Gray in Proc. Zool. Soc. 1834. p. 59.

— — et *luctuosa* Beck ind. p. 3.

*Vitrina citrina* Quoy et Gaim. Astrol. II. p. 140. t. 11. f. 1—4.  
(c. anim.)

*Zonites citrina* Swains. Malac. p. 331.

*Seba* Mus. III. t. 39. f. 1—10.

β. Anfractu ultimo superne medio obsolete impresso-sulcato.

Habitat in insulis Moluccis, Amboina, Waigiou, etc.

Obs. Variat colore albido, fusciscente, lateritio et violacescente (*Nanina luctuosa* Beck), cingulis cinnamomeis et nigricantibus. — Animal *Naninae* ex icone Quoyi, nec *Vitrinae*.

104. *H. spiralis* Le Guillou. †

T. orbiculata, subconoidea, umbilicata, lutea, striis radiantibus crebris, interdum obsoletis sculpta; spira obtusa; anfr. 5 depresso-convexusculi, superne infimus medio fascia purpureo-nigra decurrente ornatus; umbilicus angustissimus, profundus; apertura semiovata; labrum acutum, ad umbilicum vix reflexum. — Diam. 34, alt. 20 mill. (Guill.)

*Helix spiralis* Le Guillou in Revue zool. 1845. p. 188.

β. Infimi anfractus fascia purpureo-nigra, albo bilateraliter marginata.

Habitat in insulis Arrow.

Obs. Differt ab *H. citrina* forma depressa, spira minus elevata, et regione umbilicali non colorata. (Guill.)



105. *H. cinnamomea* Valenciennes.

T. subperforata, depressa, tenuis, nitida, diaphana, minutissime et irregulariter striata, cinnamomea; sutura mediocris; anfr. 7 angusti, vix convexiusculi; umbilicus parvus, semitectus; apertura subobliqua, semilunaris; perist. simplex, tenue, acutum. — Diam. 40 lin. (Eyd.) — Diam. maj. 22, min. 20, alt. 44 mill. ex ic. (Coll. Nr. 58?)

*Helix cinnamomea* Val. in Mus. Paris.

— — Eydoux in Guérin mag. 1838. t. 116. f. 1.

Habitat in Archipelago Natunas maris chinensis.

106. *H. Pfeifferi* Philippi.

T. subperforata, orbiculato-convexa, solida, laevis, nitida, ad suturam submarginatam tenuissime plicatula, rufo-castanea, apice fulvida; spira subelevata; anfr. 6—6½ planiusculi, ultimus rotundatus, subdepressus; apertura lunaris, intus concolor; perist. simplex, margine dextro sinuato, acuto, basali subincrassato, calloso, columellari breviter reflexo. — R. a. = 44 : 46. — Diam. maj. 28, min. 25, alt. 46 mill. (Coll. Nr. 59.)

*Helix Pfeifferi* (Nanina?) Phil. in Arch. f. Nat. 1845. I. p. 62.

— — Chemn. ed. II. Helix N. 472. t. 34. f. 9. 10.

Lister t. 60. f. 57?

Habitat in China.

Obs. Differre videtur ab *H. cinnamomea* (specie mihi dubia) testa solida, majore et anfractuum latiorum numero. An nihilominus eadem?

107. *H. cincta* Lea. †

T. superne depressa, inferne inflata, longitudinaliter striata, umbilicata, rufo-fusca, fascia fusca aut nigra super medios anfractus ornata; anfr. 4; spira planulata; apertura subrotundata; labrum simplex; columella laevis. — Diam. 0,9, long. 0,6 poll. (Lea.) Diam. 23, alt. 45 mill. (ex ic.)

*Helix cincta* Lea obs. I. p. 168. t. 49. f. 68.

Habitat in insula Java? (Lea.)

Obs. Margo columellaris peristomatis in icone incrassatus et dilatatus apparet.

108. *H. semifusca* Deshayes. †

T. orbiculata, depressa, tenuis, fragilis, cornea, laevigata, ad peripheriam subangulata, subtus perforata; apertura ovato-semilunaris, marginibus tenuissimis, acutis; anfr. angusti, convexius-

culi. — Diam. 48—20 mill. (Dh.) Diam. maj. 48, min. 45, alt. 9 mill. (ex ic.)

*Helix semifusca* Desh. in Bélanger voy. Zool. p. 444. t. 4. f. 8—10. Habitat prope Pondichery (Bélanger).

Obs. An = *H. pallida* Gray? Fér. in Bull. zool. 1835. p. 32.

**109. *H. Baudini* Deshayes. †**

T. orbiculato-convexa, substriata, pallide fulva; anfr. 7 vix convexiusculi, ultimus basi albo-subcarinatus; sutura levis; umbilicus minimus; apertura fere perpendicularis, minima, oblique semilunata; perist. simplex, basi subincrassatum. — Diam. 22 mill. (Dh.)

*Helix Baudini* Desh. in Encycl. méth. II. p. 256. N. 427.

*Nanina Baudini* Beck ind. p. 4.

Habitat in Nova Guinea.

**110. *H. striata* (Nanina) Gray. †**

T. solidiuscula, subpellucida, albida, periostraca tenui, olivacea; spira convexiuscula, confertim transverse striata; anfractus ultimus antice sublaevis. — Axis 9, diam. 45 lin. (Gr.)

*Nanina striata* Gray in Proc. Zool. Soc. 1834. p. 59.

— — *Müll.* synops. p. 5.

Habitat...?

**111. *H. fusco-lutea* Grateloup. †**

T. orbiculato-conoidea, vix perforata, tenuis, nitida, pellucida, subtilissime striata, supra corneo-fusca, infra flavescens; spira obtusa; anfr. 5—6, ultimus fasciis 2 pallide luteolis cinctus; labrum simplex, acutum. — Alt. 40, diam. 46 mill. (Gr.)

*Helix fusco-lutea* Grat. in Act. Bord. XL p. 440. t. 4. f. 9.

Habitat in insula Madagascar (Duisabo, Grateloup).

**112. *H. Menkeana* Pfr.**

T. perforata, depressa, subtus convexior, tenuiuscula, laevis, alba, fasciis 4—5 fuscis, suprema latissima, ornata, epidermide pallide cornea, diaphana induta; spira depressa; sutura mediocris; anfr. 4 vix convexiusculi, celeriter accrescentes; apertura subverticalis, lunato-ovalis; perist. simplex, acutum, margine columellari superne per dilatato, reflexo. — Diam. maj. 48, min. 45, alt. 42 mill. (Coll. Nr. 60.)

*Helix Menkeana* Pfr. Symb. II. p. 33.

— — *Chemn.* ed. II. *Helix* N. 694. t. 111. f. 1—5

— *capensis* Menke in litt. olim.

Habitat in promontorio bonae spei, Zwellendam (Krauss).

Obs. Conf. *H. bistrialis* Nr. 160.

**113. H. lineolata Chemnitz.**

T. perforata, depresso-globosa, alba, fasciis lutescentibus et lineolis numerosis, interruptis, fuscis cincta; anfr. 4—5 convexiusculi; apertura lunaris; perist. simplex, acutum. — Diam. 24, alt. 18 mill. (ex ic.)

*Helix lineolata* Chemn. IX. P. 2. p. 121. t. 129. f. 1148 c.

Habitat in India occidentali. (Ch.)

Obs. Species hucusque praeter iconem prorsus ignota.

**114. H. petrosa Hutton. †**

T. perforata, tenuis, fragilis, pellucida, pallide fusca, vitrea. polita; spira depressa; anfr. 6—7; apertura lunata, marginibus acutis, disjunctis. — Diam. 4 poll. (H.)

*Helix petrosa* Hutt. in Journ. As. Soc. III. p. 83.

Habitat in provincia gangetica: Mirzapoor.

**115. H. resplendens Philippi.**

T. subperforata, depressa, glaberrima, lucida, tenuis, pellucida, lutescenti-cornea; spira vix prominula; anfr. 6½ convexiusculi, lente accrescentes, ultimus regulariter auctus, basi convexiusculus, medio profunde impressus; apertura fere verticalis, depressa, lata, lunaris; perist. simplex, acutum, margine columellari peroblique descendente, in centro baseos brevissime reflexo. — Diam. maj. 49, min. 46½, alt. 9 mill. (Coll. Nr. 61.)

*Helix resplendens* Phil. in Zeitschr. f. Malak. 1846. p. 192.

— — Chemn. ed. II. Helix N. 688. t. 110. f. 7—9.

Habitat prope Mergui imperii birmani (Th. Philippi).

Obs. An forte = *Hel. petrosa* Hutt., ex descriptione brevi vix cognoscenda? — Ab *H. vitrinoides* Dh. satis differt anfractibus convexiusculis, ultimo vix latiore.

**116. H. vitrinoides Deshayes.**

T. subperforata, depressa, tenuis, laevigata, fragilis, pallide cornea; spira vix elevata; sutura marginata; anfr. 6 vix convexiusculi, ultimus latus, basi convexior; apertura late lunaris; perist. simplex, rectum, acutum, margine columellari vix reflexiusculo. — Diam. maj. 23, min. 24, alt. 12 mill. (Coll. Nr. 62.)

*Helix vitrinoides* Desh. in Guér. mag. 1834. t. 26.

— — Desh. in Encycl. meth. II. 54.

— — Chemn. ed. II. Helix N. 689. t. 110. f. 10—15

*Nanina vitrinoides* Gray in Proc. Zool. Soc. 1834. p. 38.

*Helicella vitrinoides* Beck ind. p. 6.

Habitat in Bengalia, Bombay! Nec non in insulis Philippinis.

Obs. Perforatio in adultis aperta, in junioribus saepe obsoleta.

117. *H. ceratodes* Pfr.

T. subperforata, globoso-depressa, tenuis, minute striatula, nitidula, pellucida, cornea; spira parum elevata; anfr. 5 subplanulati, celeriter accrescentes, ultimus subdepressus; apertura ampla, oblique lunaris; perist. simplex, acutum, margine columellari breviter reflexiusculo, perforationem fere occultante. — Diam. maj.  $4\frac{1}{2}$ , min. 4, alt. 9 mill. (Coll. Nr. 63.)

*Helix ceratodes* Pfr. in Proc. Zool. Soc. 1845. p. 128.

— — *Chemn.* ed. II. *Helix* N. 690. t. 110. f. 16. 17.

Habitat in insulis Luzon et Mindoro Philippinarum (Cuming).

118. *H. calamechroa* Jonas.

T. perforata, globoso-depressa, tenuis, nitida, pellucida, straminea, transversim regulariter striata, lineis spiralibus, tenuissimis, oculo nudo vix conspicuis decussata; anfr.  $5\frac{1}{2}$  sensim accrescentes; apertura lunaris; perist. simplex, acutum. — Diam. maj. 47, min.  $45\frac{1}{2}$ , alt. 8 mill. (Coll. Nr. 64.)

*Helix calamechroa* Jonas in Phil. Icon. I. 3. p. 47. t. 3. f. 2.

— *tenera* Jonas olim in litt.

Habitat in Guinea.

119. *H. honesta* Gould.

T. subperforata, orbiculata, laevigata, nitida, pellucida, corneo-albida; spira depresso conoidea, subpapillata; anfr. 5 vix convexiusculi, sensim accrescentes, ultimus ad peripheriam obsolete angulatus, basi convexus; apertura late lunaris; perist. simplex, rectum, margine basali leviter arcuato, columellari superne brevissime reflexo. — Diam. maj. 43, min.  $44\frac{1}{2}$ , alt.  $7\frac{1}{2}$  mill. (Mus. Cuming.)

*Helix honesta* Gould in sched. Cum.

Habitat in imperio birmano.

120. *H. glaphyra* Say?

T. perforata, depressa, superne planiuscula, tenuis, saturate olivaceo-fusca, obscurius strigata; sutura linearis; anfr. 5 planiusculi, sensim accrescentes; umbilicus angustissimus; apertura lata lunaris; perist. simplex, acutum. — Diam. maj. 44, min. 42, alt. 7 mill. (Coll. Nr. 65?)

*Helix glaphyra* Say in Nichols. Am. Enc. t. 4. f. 3?

— — (*Helicella*) Fér. pr. 210?

— — Pfr. Symb. II. p. 29.

Habitat in Pennsylvania.

Obs. Specimina descripta primum sub nomine laudato ex America accepti scrius sub eodem nomine *H. fuliginosa* Griff. (a Cl. Jay ad glaphyram citati licet a mea diversissimam); Cl. Gould (report p. 181.) *H. glaphyram* Say ab *H. cellaria* nullo modo diversam esse asserit.

121. *H. demissa* Binney. †

T. depresso-convexa, perforata, luteolo-cornea, nitens; anfr. 6 minute striati; apertura transversa; labrum simplex, acutum: basis planiuscula, medio subimpressa, glabra; umbilicus parvus. — Diam.  $\frac{3}{8}$  poll. (Binn.)

*Helix demissa* Binn. in Bost. journ. IV. p. 364. t. 46. f. 46.

Habitat in Pennsylvania.

Obs. Differt ab *H. ligera* spira depressa. (Binn.) — An ejus varietas? An forte eadem ac Nr. 120?

122. *H. succinea* Pfr.

T. depressa, obsolete subperforata, tenuis, pellucida, nitida, succinea; sutura mediocris, submarginata; anfr. 5 celeriter accrescentes, vix convexiusculi; apertura lunaris; perist. simplex, acutum, margine columellari subreflexo, perforationem obsoletam tegente. — Diam. maj. 40, min.  $8\frac{1}{2}$ , alt. 6 mill. (Coll. Nr. 66.)

*Helix succinea* Pfr. in Proc. Zool. Soc. 1845. p. 39.

— — Chemn. ed. II. *Helix* N. 544. t. 87. f. 6—8.

β. Fascia obsoleta rubra ad peripheriam.

Habitat in provincia Albay insulae Luzon, var. in insula Mindoro (Cuming).

123. *H. insignis* Orbigny. †

T. perforata, orbiculata, subconvexa, apice obtusa, tenuis, diaphana, laevigata, brunneo-flavicans; anfr. 4; apertura rotunda; labrum tenue. — Alt. 4, diam. 8 mill. (O.)

*Helix insignis* (Helicella) Orb. synops. p. 5.

— — Orb. voy. p. 247. t. 26. f. 44—47.

Habitat in provincia Guayaquil Columbiae.

124. *H. hydatina* Rossmässler.

T. perforata, depressa, albida, pellucida, striatula; sutura marginata; anfr. 5 planiusculi, ultimus non descendens, basi subplanulatus; apertura depressa, oblique lunaris; perist. rectum, acutum, simplex, margine dextro antrorsum subarcuato, columellari vix reflexiusculo. — Diam. maj.  $6\frac{1}{4}$ , min.  $5\frac{1}{2}$ , alt. 3 mill. (Coll. Nr. 67.)

*Helix hydatina* Rossm. VIII. p. 36. f. 529.

— — Chemn. ed. II. *Helix* N. 224. t. 63. f. 48—24.

— *diaphana* Mühlf. Mus. (teste Rossm.)

*Helicella diaphana* Beck ind. p. 7.

Habitat in insula Corfu (Ziegl.), Neap. (Philippi), prope Smyrnā (Roth diss. p. 45).

125. *H. indentata* Say.

T. subperforata, depressa, pellucida, pallide cornea, nitidissima, lineis radiantibus impressis, regulariter distantibus (in anfractu ultimo circa 28) notata; spira planiuscula; anfr.  $4\frac{1}{2}$  celeriter accrescentes, ultimus circa foramen punctiforme excavatus; apertura depressa, ampla, lunaris; perist. simplex, acutum, margine supero antrorsum arcuato. — Diam. maj. 5, min.  $4\frac{1}{2}$ , alt.  $2\frac{1}{2}$  mill. (Coll. Nr. 68.)

*Helix indentata* Say in Philad. journ. II. p. 372.

— — *Binn.* in Bost. journ. III. p. 445. t. 22. f. 3.

— — *Gould* report p. 484. f. 109.

— — *Chemn.* ed. II. *Helix* N. 190. t. 34. f. 12—15.

Habitat in America boreali, New Jersey (Say), Massachusetts (Gould), Philadelphia (Griffith).

126. *H. hyalina* Férussac.

T. vix subperforata, suborbiculata, arctispira, vitrea, diaphana, glabra, nitidissima; anfr. 6 planulati; apertura angustissime lunaris; perist. rectum, simplex. — Diam. maj.  $4\frac{1}{2}$ , min. 4, alt. 2 mill. (Coll. Nr. 69.)

*Helix hyalina* (Helicella) Fér. pr. 224 et Mus.!

— — *Rossm.* VIII. p. 36. f. 530.

— — *Chemn.* ed. II. *Helix* N. 554. t. 88. f. 20—23.

— *contorta* Held in Isis 1837. p. 304?

— — *Kryn.* Bull. Mosc. IX. p. 168? \*)

*Vitrea diaphana* Fitzing. syst. Verz. p. 99.

*Polita contorta* Held in Isis 1837. p. 946?

Habitat in Germania, Gallia etc. rarior.

127. *H. crystallina* Müller.

T. perforata, depressa, vitrea, diaphana, glabra, nitidissima; anfr.  $4-4\frac{1}{2}$  planiusculi; apertura lunaris; perist. rectum, simplex. Diam. maj. 4, min.  $3\frac{1}{2}$ , alt.  $4\frac{1}{4}$  mill. (Coll. Nr. 70.)

*Helix crystallina* Müll. verm. II. p. 23. N. 223.

— — *Drap.* p. 118. t. 8. f. 13—20.

— — *C. Pfr.* I. p. 46. t. 2. f. 36.

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\*) T. orbiculato-depressa, subtus convexiuscula, tenuissima, pellucida, glaberrima, nitida, lactea (colore effuso); anfr. 6 planulatis, fere aequalibus; spira vix exserta; suturis tenuibus, loco umbilici impressio infundibuliformis; apertura compresso-lunata ad umbilicum angustiore; perist. simplici. — Diam.  $1\frac{1}{2}$ , alt.  $\frac{7}{8}$ ". — Forma et constructione sua superna Planorbem contortum bene commemorat, attemen spira ejus paululum exserta. Subtus sicuti *H. fulva* condita, praeter aperturam ad umbilicum angustatam et fere acutam. — Habitat in regionibus caucasicis. (Kryn. l. c.)

- Helix crystallina* Rossm. VIII p. 37. f. 534.  
 — — Morelet moll. du Port. p. 55.  
 — — Chemn. ed. II. Helix N. 555. t. 88. f. 27 — 30.  
 — *crystallina* (Helicella) Fér. pr. 223.  
 — — Lam. ed. Dh. 128. p. 87.  
 — *pellucida* Penn. Brit. Zool. IV. 138.  
 — *eburnea* Hartm. Neue Alpina I. p. 234.  
 — *vitrea* Brown in Edinb. journ. of nat. and geogr. sc. I —  
 Isis 1832. p. 44.

*Helicella crystallina* Beck ind. p. 7.

*Discus crystallinus* Fitzing. syst. Verz. p. 99.

*Polita crystallina* Held in Isis 1837. p. 916.

*Zonites crystallinus* Gray Manual p. 176. t. 4. f. 42.

Habitat in Germania, Gallia, Helvetia, Anglia, Suecia etc.

#### 128. *H. lucidella* Pfr.

T. minuta, perforata, depressa, striatula, nitidissima. brunnea; spira subplanulata; sutura albo-marginata; anfr. 4 plani. ultimus basi vix convexior, medio impressus, angustissime perforatus; apertura oblique lunaris; perist. simplex, obtusus, margine columellari declivi, vix incrassato. — Diam. maj.  $3\frac{2}{3}$ , min. 3. alt. 2 mill. (Mus. Cuming.)

*Helix lucidella* Pfr. in Proc. Zool. Soc. 1846. p. 41.

Habitat in provincia Cagayan insulae Luzon (Cuming).

Obs. Ex omnibus characteribus testa adulta videtur.

#### 129. *H. planiuscula* Hutton. †

T. parvula, depressa, fusca, polita; anfr. 5, ultimi peripheria rotundata; apertura transversa. — Diam. 0,4 poll. (H.)

*Helix planiuscula* Hutt. in Journ. As. Soc. VII. P. 1. p. 218.

Habitat in Himalaya, prope Simla.

Obs. «Affinis *H. crystallinae*, obscurior et apice minus depresso.»

#### 130. *H. capensis* Pfr.

T. perforata, globoso-depressa, tenuis, opaca, nitidula. alba. punctis nigricantibus conspersa, obsolete fusco-radiata; anfr.  $4\frac{1}{2}$  vix convexusculi; umbilicus angustissimus, non pervius; apertura magna, lunaris, intus fulva; perist. simplex, acutum. — Diam. maj. 9, min.  $7\frac{1}{2}$ , alt. 6 mill. (Coll. Nr. 71.)

*Helix capensis* Pfr. Symb. I. p. 40.

— — Chemn. ed. II. Helix N. 489. t. 34. f. 9 — 11.

— *irrorata* Ziegl. ined.

Habitat in promontorio bonae spei.

**131. H. Uitenhagensis Krauss.**

T. perforata, depresso-turbinata, striatula, alba, punctis fuscis conspersa; spira elevata, apice papillata; anfr. 6 vix convexiusculi, ultimus inflatus; apertura rotundato-lunaris, intus fuscidula; perist. simplex, acutum, margine columellari dilatato, reflexo. — Diam. maj. 44, min.  $9\frac{1}{2}$ , alt.  $7\frac{3}{4}$  mill. (Coll. Krauss.)

*Helix Uitenhagensis* Krauss mss.

— — Pfr. Symb. III. p. 66.

Habitat in promontorio bonae spei, ad radicem montis Winterboeck, prope Uitenhagen.

Obs. Differt ab *H. capensi* magnitudine, spira papillata, anfractibus minus convexis, basi magis inflata.

**132. H. australis Menke.**

T. umbilicata, orbiculato-convexa, glabra, obsolete striata, albida, maculis radiantibus fasciisque interruptis obsolete cinereis picta; anfr. 5 rapido aumento crescentes; umbilicus angustus, apertus; aperturae patulae faux ferruginea. — Diam. 4, alt. 2, 3 lin. (Mke.)

*Helix australis* Mke moll. Nov. Holl. p. 6.

Habitat in Nova Hollandia prope fluvium Cygnorum.

Obs. «Affinis proxime *H. irroratae* Zgl., prom. bon. spei incolae, minori tamen et convexiori.»

**133. H. Kotschyi Pfr.**

T. angustissime umbilicata, orbiculato-convexa, tenuiuscula, oblique confertim striata, albida, corneo-marmorata vel fuscidula, fusco punctato-fasciata; spira elevatiuscula, apice corneo; anfr. 4 —  $4\frac{1}{2}$  convexi, ultimus carinatus: carina antice evanescente; apertura obliqua, lunato-rotundata; perist. simplex, acutum, margine columellari subdilatato. — Diam. maj.  $8\frac{1}{2}$ , min.  $7\frac{1}{2}$ , alt. 5 mill. (Coll. v. d. Busch.)

*Helix Kotschyi* Pfr. Symb. III. p. 96.

Habitat in Persia. (Kotschy teste Parreyss.)

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**134. H. flammulata (Vitrina) Quoy. †**

T. depresso-globosa, perforata, pellucida, fragilis, levis, fulva, flammulis rufis cincta; apertura semilunata, margine sinistro non inflexo; anfr.  $3\frac{1}{2}$  convexiusculi. — Diam. maj. 6, min. 5, alt.  $3\frac{1}{2}$  lin. (Q.)

*Vitrina flammulata* Quoy et Gaim. Astrol. Zool. II. p. 436. t. 44. f. 5—7.



*Vitrina flammulata* Lam. ed. Dh. VII. p. 730. N. 6.

*Nanina flammulata* Pfr. Symb. II. p. 63.

Habitat in insula Celebes.

Obs. Animal *Naninae*. nec *Vitrinae* ex icone Quoyi.

§. 13.

135. *H. rapa* Müller.

T. perforata (imperforata) subglobosa, punctis pertusa, fascia sanguinea, anfractu superne introrsum deflexo. — Diam. 18 lin. (Müll.)

*Helix rapa* Müll. verm. II. p. 67. N. 261.

— — Chemn. IX. P. 2. p. 133. t. 131. f. 1176.

— — Pfr. in Zeitschr. f. Mal. 1844. p. 178.

Habitat in insula Amboina (Beck).

Obs. Cl. Müller speciem sic descripsit: «testa tota alba, superne passim in luteum vergit, subtus perforata; apertura lunaris absque labio. Fascia in medio anfractus majoris sanguinea dimidiam peripheriam tantum occupat. Margo superior anfractuum in aperturam deflectitur, seu simbriam unius lineae latitudinis argutissimam proximo anfractui agglutinatam format; alium characterem suppetunt puncta innumera, aequalia, quibus testa ubique pertusa est, nudo oculo difficulter conspicua.» — Ex hac descriptione, juncta cum icone Chemnitziana, in collectione mea testam adesse arbitror, quae *H. rapae* Müll. omnino convenit, et quae specimen decoloratum varietatis minoris *H. sagittiferae* esse videtur. Quare forsitan haec species pro *H. rapa* Müll. agnoscenda? An potius nomen Müllerianum tamquam dubium ob descriptionem incompletam speciminis evidenter morborum relinquendum sit?

136. *H. sagittifera* Pfr.

T. subperforata, depressa, tenuis, pellucida, oblique striata et obsolete rugosa, fulva, maculis sagittiformibus et ad carinam obsoletam fascia unica, rufa ornata; sutura impressa, ad anfractum ultimum subcanaliculata; anfr.  $4\frac{1}{2}$ ; planiusculi, ultimus inflatus; apertura perobliqua, lunato-ovalis, intus lactea; perist. simplex, ad columellam subincrassatum, vix reflexum, margine supero deflexo. — R. a. = 5 : 6. — Diam. maj. 47, min. 38, alt. 26 mill. (Coll. Nr. 72.)

*Helix sagittifera* Pfr. in Proc. Zool. Soc. 1842. p. 86.

— — Phil. Icon. I. 4. p. 77. t. 4. f. 1.

— — (*Nanina*?) Pfr. Symb. II. p. 20.

— — Chemn. ed. II. Helix N. 463. t. 32. f. 10. 11.

$\beta$ . Distinctius carinata, superne intense rufa, infra carinam fascia nigricante diluta, basi olivaceo-fulva, maculis sagittiformibus obsolentioribus.  
 $\gamma$ . Major, solidior: diam. maj. 67, min. 54, alt. 35 mill. (Mus. Cuming.)

Habitat in insula Luzon,  $\alpha$  prope Sinait,  $\beta$  prope Bolinao,  $\gamma$  S. Juan. prov. Cagayan (Cuming).

**137. H. Maderaspatana Gray.**

T. angustissime umbilicata, depresso-globosa, striato-rugosa, pallide rufa, albido-cincta et nebulosa; anfr. 5—6 vix convexiusculi, ultimus subinflatus; apertura obliqua, lunato-ovalis; perist. simplex, ad umbilicum subincrassatum, reflexum. — Diam. maj. 32, min. 26½, alt. 49 mill. (Spec. coll. Gray.) Mea (Coll. Nr. 73.) paulo minora.

*Helix Maderaspatana Gray* in Proc. Zool. Soc. 4834. p. 67.

— — *Müll.* synops. p. 9.

— — *Chemn.* ed. II. *Helix* N. 170. t. 34. f. 7. 8.

— *Korekouké* (Helicella) *Fér.* pr. 237 et Mus.!

— *pondicheriensis* *Pfr.* Symb. I. p. 38.

*Nanina Korekouké Beck* ind. p. 4.

Habitat in India orientali, circa Pondichery, Maderaspatam, Mangalore.

**138. H. Himalayana Lea.**

T. anguste umbilicata, sinistrorsa, depressa, tenuis, pellucida, superne costulata, pallide fulva; spira parum elevata; anfr. 4½—5 planiusculi, ultimus subcarinatus, infra carinam fusco-fasciatus, basi tumidus; apertura rotundato-lunaris; perist. simplex, acutum, margine columellari breviter descendente, reflexo. — Diam. maj. 30, min. 25, alt. 15 mill. (Mus. Cuming. et Coll. Nr. 74 spec. juv.)

*Helix Himalana Lea* obs. I. p. 467. t. 49. f. 66.

— *Himalayana Benson* in Zool. Journ. V. (1835.) p. 464.

Habitat in montibus Himalayae.

Obs. Affinis *H. laevipedi* (Nr. 462); differt testa tenui, pellucida, superne costata, apertura magna, etc.

**139. H. interrupta Benson. †**

T. sinistrorsa, orbiculato-convexa, infra tumida, umbilicata, ad peripheriam obtuse angulata, longitudinaliter confertissime striata, supra striis interruptis fasciis transversalibus dispositis; spira apice obtusa; perist. tenue, acutum. (B.) — Diam.?

*Helix interrupta Bens.* in Proc. Zool. Soc. 4834. p. 90.

— — *Müll.* synops. p. 40.

— — *Bens.* in Zool. Journ. V. p. 464.

Habitat in rupibus umbrosis Sicrigali et prope Gangis ostiorum fluvium Jellinghy dictum.

Obs. Differt ab *H. Himalayana* spira minus elevata et sculptura peculiaris (Bens.)

140. *H. umbilicaria* Le Guillou.

T. perforata, orbiculato-convexa, solida, opaca, nitida, irregulariter striata, alba, fasciis 3 inaequalibus, 4 ad suturam, 2 ad peripheriam, areaeque basali castanea ornata; anfr. 7 vix convexiusculi, ultimus obsolete angulatus; apertura obliqua, lata, lunaris; perist. simplex, obtusum, margine basali subincrassato, columellari dilatato, reflexo, perforationem non tegente. — Diam. maj. 33, min. 28, alt. 17 mill. (Coll. com. de Seckendorff.)

*Helix umbilicaria* Le Guillou in Revue zool. 1842. p. 137.

— — Chemn. ed. II. Helix N. 63. t. 11. f. 14. 15.

β. Minor: diam. maj. 23, min. 20, alt. 12 mill. (Coll. Nr. 75.)

Habitat in insula Sumatra.

Obs. Differt a sequente testa solida, laeviore, opaca etc

141. *H. javanica* Lamarck.

T. perforata, orbiculato-convexa, superne confertim costulato-striata, basi sublaevigata, lutescenti-cornea, fasciis 3 angustis rufis zonata: 2 ad peripheriam approximatis, tertia ad suturam; spira brevis; anfr. 6 planiusculi, ultimus subcarinatus; carina antice evanescente; area umbilicalis rufa; apertura subangulato-lunaris; perist. simplex, rectum, margine columellari ad perforationem apertam breviter dilatato, reflexiusculo. — R. a. = 3 : 5. — Diam. maj. 28, min. 23, alt. 15—16 mill. (Coll. Nr. 76.)

*Helix javanica* Lam. 40. p. 76. ed. Dh. p. 45.

— — Chemn. ed. II. Helix N. 62. t. 11. f. 12. 13.

— *javacensis* (Helicella) Fér. pr. 234. Hist. t. 92. f. 2.

*Nanina javanensis* Gray in Proc. Zool. Soc. 1834. p. 59.

— *javana* Beck ind. p. 4.

Habitat in insula Java.

Obs. Conf. *H. naninoides* Nr. 157.

142. *H. laevigata* (Mesomphix) Rafinesque.

T. perforata, depressa, tenuis, luteo-cornea, superne minute costulato-striata, basi convexiuscula, sublaevigata; spira vix elevata; anfr. 5 planiusculi, ultimus latus, antice non descendens; apertura ampla, late lunaris, intus coerulescens; perist. acutum, rectum, marginibus conniventibus, columellari vix dilatato, reflexiusculo. — Diam. maj. 18, min. 15, alt. 9 mill. (Coll. Nr. 77.)

*Helix laevigata* (Helicella) Fér. pr. 221. Hist. t. 82. f. 6!

— — Chemn. ed. II. Helix N. 522. t. 84. f. 17—19.

— *inornata* Binn. in Bost. journ. III. p. 119. t. 21. f. 3?

*Helix inornata* Griffith in sched.!

*Mesomphax laevigata* Rafin. et Beck ind. p. 7.

Habitat in Pennsylvania, Kentucky.

Obs. Et si auctores americani nonnulli hanc speciem cum *H. inornata* Sayi identicam credant, tamen descriptio Sayana nullo modo quadrat. (Conf. Nr. 204.)

**143. *H. georgiana* Quoy. †**

T. perforata, orbicularis, translucida et fragilis, desuper valde striata, flava; spira parum elevata; anfr. 4, ultimus cylindraceus, antice deflexus; apertura lunari-rotundata; perist. simplex, acutum, margine columellari reflexiusculo. (Q.) — Diam. maj.  $40\frac{1}{2}$ , min. 8 mill. (ex ic.)

*Helix georgiana* Quoy et Gaim. Astrol. II. p. 129. t. 10. f. 26—30.

— — Lam. ed. Dh. 166. p. 107.

Habitat ad portum regis Georgii Novae Hollandiae.

**144. *H. cruentata* (Stenopus) Guilding.**

T. aperte perforata, depressa, transverse plicatula, corneo-succinea; spira planiuscula; anfr. 5 vix convexiusculi, ultimus multo latior, circa perforationem impressus; sutura marginata; apertura rotundato-lunaris; perist. simplex, acutum, margine columellari intrante. — Diam. maj.  $8\frac{1}{2}$ , min.  $7\frac{3}{4}$ , alt.  $4\frac{1}{2}$  mill. (Coll. Metcalf.)

*Stenopus cruentatus* Guild. in Zool. Journ. III. p. 527. t. 15. f. 4—5.

— — Swains. Malac. p. 490. f. 33.

— — Sow. Conch. Man. f. 515.

Habitat in insula St. Vincentii.

**145. *H. revelata* Férussac.**

T. perforata, depresso-globosa, tenuis, diaphana, nitida, virenti-cornea, subtilissime striata et corrugatula, hispida: pilis sparsis, brevibus, rigidulis; anfr. 4 convexi, rapide accrescentes, ultimus inflatus; apertura lunato-circularis; perist. simplex, acutum, margine columellari subdilato, patente. — Diam. maj. 7, min. 6, alt. 5 mill. (Coll. Nr. 78.)

*Helix revelata* (Helicella) Fér. pr. 273.

— — Mich. compl. p. 27. t. 15. f. 6—8.

— — Lam. ed. Dh. 118. p. 83.

— — Gray Manual p. 152. t. 11. f. 133.

— — Chemn. ed. II. Helix N. 188. t. 34. f. 5—8.

— *badiella* Ziegl. (teste Anton.)

Habitat in alpium vallibus (Mich.), in Gallia passim (Fér.), in insulis Guernsey et Jersey.

146. *H. marmorella* Pfr.

T. perforata, depressa, tenuissima, distanter costulata, pellucida, straminea, strigis obliquis et maculis rufis marmorata; spira plana; anfr. 3 vix convexiusculi, rapide accrescentes, ultimus basi paulo convexior; apertura perobliqua, ampla, lunato-ovalis; perist. simplex, acutum, marginibus callo tenui junctis, supero antrorsum subarcuato. — Diam. maj. 7, min.  $5\frac{1}{2}$ , alt. 3 mill. (Mus. Cuming. et Coll. Nr. 79.)

*Helix marmorella* Pfr. in Proc. Zool. Soc. 1845. p. 125.

— — Chemn. ed. II. Helix N. 556. t. 88. f. 17—19

Habitat in insula Juan Fernandez.

147. *H. helicophantoides* Pfr.

T. perforata, depressa, tenuis, oblique et confertim costulato-striata, straminea, rufo tessellata et strigata; spira planiuscula; anfr.  $3\frac{1}{2}$  vix convexiusculi, rapide accrescentes, ultimus depressus; apertura perobliqua, ampla, subovalis; perist. simplex, acutum, marginibus approximatis, callo tenuissimo junctis. — Diam. maj.  $4\frac{1}{3}$ , min. 4, alt. 2 mill. (Mus. Cuming. et Coll. Nr. 80.)

*Helix helicophantoides* Pfr. in Proc. Zool. Soc. 1845. p. 125.

— — Chemn. ed. II. Helix N. 557. t. 88. f. 11—13.

Habitat in insula Juan Fernandez.

Obs. Similis praecedenti, nec non Daudebardiae rufae. Num forsitan hujus generis?

## §. 14.

148. *H. ovum* Valenciennes.

T. subperforata, globoso-depressa, oblique striata et irregulariter rugosa, lineis impressis, apice confertissimis, in anfractibus ultimis remotis et irregularibus subdecussata, obtuse carinata, unicolor saturate fulva vel fascia supra carinam pallida, infra carinam purpureo-nigricante ornata; sutura canaliculata; anfr. 5 superne tumidi, ultimus ad columellam excavatus; apertura lunato-elliptica, intus nitide lactea; perist. simplex, crassum, margine dextro arcuatim dilatato. — R. a. = 7 : 13. — Diam. maj. 115, min. 80, alt. 70 mill. (Mus. Cuming.) — Diam. maj. 92, min. 73, alt. 55 mill. (Coll. Nr. 84.)

*Helix ovum* Val. in Humb. Voy. Zool. II. p. 240. t. 57. f. 1.

— — Fér. in Bull. zool. 1835. p. 32.

— — (Nanina?) Pfr. Symb. II. p. 49. (excl. var. γ.)

— — Chemn. ed. II. Helix N. 455. t. 25. f. 4. 2.

— *meridionalis* Wood suppl. t. 7. f. 42. Nec Risso.

— *ataheilana* (Helicogena) Fér. pr. 49. Hist. t. 29. f. 4. 5

*Eurycratera otahaitana* Beck ind. p. 46.

*Chromocochlea tahitana* Hartm. Erd- u. Süsaw. Gast. I. p. 186.  
t. 65. 66.

β. Testa nigricante, ad peripheriam fascia lata epidermidis cinereae cincta. (Mus. Cuming.)

γ. Minor, magis rugosa, quasi malleata: diam. maj. 68, min. 54, alt. 42 mill. (Spec.)

Habitat in insula Luzon, β in ins. Panay Philippinarum (Cuming).

149. *H. Zeus* Jonas.

T. oblique perforata, subdepresso-convexa, solida, rugis obliquis striisque spiralibus elevatis sculpta, rufa, strigis albis fulminatis superne ornata; anfr.  $4\frac{1}{2}$  convexi, ultimus basi convexus, medio angulatus, infra carinam sulcis profundis, concentricis exaratus; apertura perobliqua, subtrapeziformis, intus margaritacea; perist. acutum, rectum, margine columellari brevi, supra perforationem reflexo. — Diam. maj. 60, min. 47, alt. 30 mill. (Coll. Nr. 82.)

*Helix Zeus* Jonas in Proc. Zool. Soc. 1842. p. 188.

— — *Phil. Icon.* I. 3. p. 47. t. 3. f. 1.

— — *Chemn. ed. II. Helix* N. 160. t. 26. f. 4—6.

— . . . . *Fér. hist.* t. 64 A. f. 9.

Habitat in insula Mindoro Philippinarum.

Obs. Similis sequenti, differt angulo acutiore, anfractibus convexioribus, ultimo grosse sculpto, concentrice profunde exarato.

150. *H. Lamarckiana* Lea.

T. oblique perforata, depressa, subcarinata, tenuis, irregulariter striata et rugulosa, olivaceo-rufa, infra carinam fascia nigro-rufa, deorsum diluta, ornata; sutura impressa; spira parum elevata; anfr.  $4\frac{1}{2}$ , supremi planiusculi, minutissime decussati; apertura late elliptica, intus lactea vel opalina; perist. simplex, tenue, ad columellam dilatatum, reflexum, umbilicium obliquum semitegens. — R. a. = 5 : 12. — Diam. maj. 60, min. 48, alt. 32 mill. (Coll. Nr. 83.)

*Helix Lamarckiana* Lea in Transact. Am. phil. Soc. VII. p. 464.  
t. 12. f. 44.

— — *Pfr. Symb.* II. p. 49. (excl. var. β.)

— — *Chemn. ed. II. Helix* N. 159. t. 26. f. 4—8.

Habitat in insula Mashate Philippinarum (Cuming).

Obs. Differt ab *H. ovo* testa tenui, depressa, perforatione aperta etc.

151. *H. Malleri* Pfr.

T. obtecte perforata, convexo-orbiculata, subcarinata, solida, fulva, basi saturatior, infra carinam fascia lata, rufa notata; sutura

linearis; anfr.  $4\frac{1}{2}$  rapide crescentes, supremi plani, minutim rugoso-reticulati, ultimus versus aperturam convexus, irregulariter malleato-rugosus; apertura lunato-ovalis; perist. simplex, margine supero subinflexo, columellari breviter expanso, perforationem tegente. — R. a. = 13 : 24. — Diam. maj. 39, min. 33, alt. 23 mill. (Coll. Nr. 84.)

*Helix Mülleri* Pfr. in Zeitschr. f. Mal. 1844. p. 178.

— — Chemn. ed. II. Helix N. 156. t. 25. f. 3. 4.

— ovum  $\gamma$  Pfr. Symb. II. p. 20.

Habitat in insula Mindoro Philippinarum (Cuming).

Obs. Differt ab H. ovo praeter magnitudinem sutura lineari, anfractibus planis, etc.

### 152. *H. bulla* Pfr.

T. subperforata, globoso-depressa, tenuissima, pellucida. striis confertis spiralibus et obliquis minutissime decussata, subcarinata, pallide fulva, ad carinam rufa-cingulata; sutura vix impressa; spira parum exserta; anfr. 4 planiusculi; apertura lunato-rotundata, intus margaritacea, unifasciata; perist. simplex, margine supero introrsum flexo, columellari vix expanso. — R. a. = 1 : 2. — Diam. maj. 40, min. 34, alt. 23 mill. (Coll. Nr. 85.)

*Helix bulla* Pfr. in Proc. Zool. Soc. 1842. p. 151.

— — Phil. Icon. I. 4. p. 77. t. 4. f. 2.

— — Chemn. ed. II. Helix N. 175. t. 33. f. 3. 4.

— vesica (Nanina?) Pfr. Symb. II. p. 24. Nec Lea.

Habitat in provincia Albay insulae Luzon (Cuming).

### 153. *H. Sowerbyana* Pfr.

T. subperforata, depressa, solida, nitidiuscula, striis concentricis confertis et striis incrementi distinctis subdecussata, olivaceo-lutescens; spira depressa; anfr.  $4\frac{1}{2}$  planiusculi, rapide accrescentes, ultimus depressus, antice dilatatus, basi circa perforationem obsoletam profunde excavatus; apertura perobliqua, lunato-ovalis, intus lactea; perist. subincrassatum, marginibus callo tenuissimo junctis, supero antrorsum arcuato, columellari reflexiusculo, subdentato. — R. a. = 1 : 2. — Diam. maj. 52, min. 44, alt. 25 mill. (Mus. Cuming. spec. max.) — Diam. maj. 37, min. 30, alt. 19 mill. (Coll. Nr. 86.)

*Helix Sowerbyana* Pfr. Symb. I. p. 36.

— — Phil. Icon. I. 2. p. 24. t. 2. f. 4.

— — Chemn. ed. II. Helix N. 157. t. 25. f. 5. 6.

$\beta$ . Fusco-castanea, spira paulo elatiore: diam. maj. 34, min. 29, alt. 19 mill. (Spec.)

Habitat in insulis Carolinis.

154. *H. Belangeri* Deshayes. †

T. orbiculato-globosa, subdepressa, translucida, rosea, subtus albicans, umbilicata, superne striis tenuibus decussata; apertura magna, obliqua; labrum simplex. — Diam. 24 — 22 lin. (Dh.) — Diam. maj. 46, min. 37, alt. 28 mill. (ex ic.)

*Helix Belangeri* Desh. in Bélang. voy. Zool. p. 43. t. 1. f. 4 — 3.

— — *Lam.* ed. Dh. 457. p. 404.

*Nanina Belangeri* Beck ind. p. 4.

Habitat ad Pondichery (Bél.), Malabar (Beck).

155. *H. Nouleti* Le Guillou. †

T. rotundata, conico-depressa, umbilicata, castanea, lucida, longitudinaliter et oblique pulchre striata, subtus depressa, nitidior, sublaevigata; anfr. 5 — 6 depresso-convexi, transversim laevissime superneque striolati; spira spadicea, exertiuscula, obtusa; apertura obliqua, labio acuto, basi subincrassato, albido, umbilicum minimum occultante aut suboccultante. — Diam. 30, alt. 19 mill. (G.)

*Helix Nouleti* Le Guill. in Revue zool. 1842. p. 437.

Habitat in insulis Viti.

155°. *H. rubricata* Gould. †

T. globoso-conica, solida, vix perforata, supra nitida, rufo-castanea, striis radiantibus gregatim dispositis et striis volventibus decussata, infra glaberrima, livido-castanea, ad centrum declivis; spirae anfr. 6 convexi, ampli; sutura submarginata; apertura semilunaris, fauce livida; labrum simplex, ad columellam reflexum, album. — Lat. 4, alt.  $\frac{3}{5}$  poll. (G.)

*Helix* (Nanina) *rubricata* Gould 1846. Exped. shells p. 25.

Habitat in insulis Feejee, Lehouka.

Obs. « Num forte *H. Nouleti* Le Guill. ? »

156. *H. Grateloupi* Pfr.

T. subperforata, semiglobosa, nitidiuscula, superne regulariter et confertim striata, lineis spiralibus irregulariter decussata, livido-castanea, subtus laevigata; anfr. 6 convexiusculi, ultimus basi subplanulatus; sutura submarginata; apertura lunaris, intus concolor; perist. simplex, acutum, margine dextro sinuoso, columellari calloso, subreflexo. — Diam. maj. 26½, min. 24, alt. 15 mill. (Coll. Nr. 87.)

*Helix Grateloupi* Pfr. Symb. II p. 99.

— — *Chemn.* ed. II. *Helix* N. 473. t. 34. f. 13. 14.



*Helix rufescens* Grat. Act. Bord. XI. p. 408. t. 4. f. 3?\*) Nec Penn.  
Habitat in insula Madagascar? (Grat.)

Obs. Persimilis *H. Pfeifferi* Phil. (Nr. 106.), at sculptura satis distincta.

#### 157. *H. naninoides* Benson.

T. perforata, orbiculato-convexa, solidiuscula, pallide fulva, superne distincte et confertim striata, lineis concentricis, saepe obsoletis subdecussata, basi sublaevigata, distanter striatula; spira depresso-conoidea, apice obtusa; anfr. 6 vix convexiusculi, ultimus subangulatus, medio impressus; apertura transverse lunaris; perist. rectum, obtusum, subincrassatum, ad perforationem apertam brevissime reflexum. — Diam. maj. 25, min. 22, alt. 13 mill. (Spec. authent. Mus. Britt. et Coll. Nr. 88.)

*Helix naninoides* Bens. in Ann. and mag. nat. hist. IX. p. 486.

— — Phil. Icon. II. 9. p. 2. t. 6. f. 3.

— — Chemn. ed. II. Helix N. 158. t. 25. f. 7. 8.

♂. Major: diam. maj. 33, min. 29, alt. 20 mill. (Coll. Walton.)

Habitat circa Singapore, rarius in insula Chusan.

Obs. Variat striis concentricis distinctis vel omnino obsoletis, colore fulvido vel fere albo, carina magis minusve distincta.

#### 158. *H. decussata* (Nanina) Benson. †

T. cornea, discoidea, subdepressa, umbilicata; spira exsertiuscula, obtusa; anfr. 7 supra plani, ultimus obsolete angulatus; epidermis supra argute decussata, infra radiatim striata; apertura transversa, lunata. — Diam. 4 poll., axis 0,35. (B.)

*Nanina decussata* Bens. in Journ. As. Soc. V. p. 350.

Habitat in Bengalìa.

Obs. \*Differt ab *H. vitrinoide* sculptura, spira elatiore et peripheria magis angulata.\* (Bens.)

#### 159. *H. Theodori* Philippi.

T. perforata, depressa, tenuis, subdiaphana, corneo-lutescens, superne confertissime costulata, lineis concentricis impressis decussata, basi laevior, excentrice striatula, lineis concentricis versus perforationem sensim evanescentibus; spira parum elevata, obtusiuscula; sutura impressa, rufo obsolete marginata; anfr. 6½ vix convexiusculi, lente accrescentes, ultimus obsolete angulatus; apertura depressa, lunaris; perist. simplex, rectum, margine colu-

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\*) T. orbiculato-conica, subumbilicata, tenui, subdiaphana, rufescente subtilissime striata, striis granulosi; spira turgida, apice obtusa; anfractu ultimo aliquando fascia albescente cincto; labro simplici, acuto. — Alt. 16, diam. 27 mill. (Grat. I c)

mellari peroblique descendente, superne brevissime reflexo. --  
Diam. maj. 26, min. 23, alt. 13 mill. (Coll. Nr. 89.)

*Helix Theodori Phil.* in Zeitschr. f. Malak. 1846. p. 191.

— — *Chemn.* ed. II. *Helix* N. 687. t. 110. f. 4—3.

Habitat prope Mergui Indiae orientalis. Legit Th. Philippi.

Obs. An forte praecedenti nimis affinis?

**160. *H. bistrialis* (Nanina) Beck.**

T. subperforata, globoso-depressa, tenuis, fragilis, subtilissime striata, striis confertis obsoletis sub lente decussata, stramineo-cornea, lineis 2 rufis approximatis medio cincta; spira vix convexa; anfr. 4 planiusculi, rapide crescentes; apertura ampla, lunari-ovalis; perist. simplex, margine columellari recurvato. — Diam. maj. 34, min. 25, alt. 15 mill. (Coll. Nr. 90.)

*Nanina bistrialis Beck* ind. p. 2. (ex synonym.)

— — *Pfr.* Symb. II. p. 47.

*Helix bistrialis Chemn.* ed. II. *Helix* N. 64. t. 44. f. 40. 41.

— *exilis Chemn.* IX. P. 2. p. 124. t. 129. f. 1449. Nec Mull

— — (*Helicella*) *Fér.* pr. 236. Hist. t. 92. f. 4.

— *diaphana Leu* obs. I. p. 166. t. 49. f. 65. Nec Lam.

β. Testa solidiore, superne distinctius decussata.

Habitat prope Pondichery, Tranquebar.

**161. *H. ligulata* Férussac.**

T. perforata, depresso-globosa, superne longitudinaliter striata, minute decussata, subtus glabra, alba, fascia unica, latiuscula, lutea supra peripheriam cingulata; anfr. 5 planuli, ultimus basi convexus; apertura irregulariter lunato-elliptica; perist. simplex, margine dextro recto, columellari reflexiusculo, cum basali angulum obsoletum formante. — Diam. maj. 26, min. 23, alt. 17 mill. (Coll. Nr. 94.) — Spec. Féruss. paulo majora.

*Helix ligulata* (*Helicogena*) *Fér.* pr. 47. Hist. t. 34. f. 2.

— — *Pfr.* Symb. I. p. 38.

— — *Chemn.* ed. II. *Helix* N. 474. t. 33. f. 4. 2.

— *semisculpta Mus.* Reg. Berol. olim.

*Nanina ligulata Beck* ind. p. 4.

β. Magis conica: *Fér.* hist. t. 34. f. 3.

Habitat in Bengalìa.

**162. *H. laevipes* Müller.**

T. perforata, sinistrorsa, suborbiculata, depressiuscula, tenuiuscula, subcarinata, striis incrementi distinctis lineisque spiralibus nonnullis sub lente decussata, pallida, fascia rufa albae

adnata; anfr.  $4\frac{1}{2}$ , subplanulati; apertura parvula, subobliqua. lunaris; perist. simplex, acutum, margine columellari reflexiusculo. — R. a. = 3 : 5. — Diam. maj. 28, min. 23, alt.  $44\frac{1}{2}$  mill. (Coll. Nr. 92.)

*Helix laevipes* Müll. verm. II. p. 22. N. 222.

— — Chemn. IX. P. 4. p. 83.

— — (Helicella) Fér. pr. 229. Hist. t. 92. f. 3—6.

— — Lam. ed. Dh. 433. p. 90.

— — Chemn. ed. II. Helix N. 523. t. 84. f. 22. 23.

— *candida* Gmel. 15? (Beck.)

*Ariophanta laevipes* Des Moulins Bull. Bord. III. p. 227. t. 4. f. 4—5. (c. anim.)

— — Fér. in Bull. zool. 1835. p. 108.

— — Beck ind. p. 5.

*Favanne* t. 63. f. L. 3.

β. Unicolor, pallida :

*Helix laevipes* Chemn. IX. t. 108. f. 915. 16.

— — var. Fér. t. 92. f. 6.

γ. Unicolor, rufa :

*Helix spadicea* Gmel. 16.

*Kämmerer* p. 172. t. 11. f. 2.

δ. Rufo-trifasciata, anfractu ultimo subdescendente : diam. maj. 26, min. 23, alt.  $43\frac{1}{2}$  mill. (Spec.)

*Helix trifasciata* Chemn. XI. p. 308. t. 213. f. 3018. 19.

— *laevipes* var. Fér. hist. t. 92. f. 4.

— — var. Chemn. ed. II. Helix t. 84. f. 20. 21.

*Ariophanta trifasciata* Beck ind. p. 5.

Habitat in India orientali, Malabar, Tranquebar.

### 163. *H. monozonalis* Lamarck.

T. perforata, orbiculato-convexa, ventricosa, nitida, superne lineis confertis longitudinalibus et transversis subtilissime decussata, castanea, supra medium albo-unizonata; spira vix elevata; anfr. 5 convexiusculi, ultimus inflatus, circa perforationem apertam albescens; apertura magna, rotundato-lunaris; perist. acutum, margine columellari breviter reflexo. — Diam. maj. 50, min. 42, alt. 26 mill. (Mus. Cuming.)

*Helix monozonalis* Lam. 4. p. 66. ed. Dh. p. 29.

— *unizonalis* Encycl. méth. t. 462. f. 6!

— — (Helicella) Fér. pr. 244. Hist. t. 94. f. 4!!

*Nanina monozonalis* Gray in Proc. Zool. Soc. 1834. p. 59.

*Zonites unizonalis* Swains. Malac. p. 334.

Habitat in insula Amboina. (Hinds in Mus. Cuming.)

164. *H. labiata* Pfr.

T. aperte perforata, depressa, tenuis, striatula, superne lineis concentricis obsolete decussata, basi laevigata, nitida, fulva; spira planiuscula; anfr. 6 subplanulati, ultimus dilatatus, depressus; apertura lata, lunaris; perist. acutum, plerumque rufescens, intus calloso-labiatus, margine supero antrorsum rotundato, basali plane subarcuato, columellari vix reflexiusculo. — Diam. maj. 40, min. 35, alt. 20 mill. (Coll. Nr. 93.)

*Helix labiata* Pfr. in Proc. Zool. Soc. 1845. p. 65.

— — Chemn. ed. II. *Helix* N. 182. t. 35. f. 6—8.

*Nanina Bensonis* Hutt. in sched. Cuming.

Habitat prope Landour Indiae orientalis (Hutton).

Obs. 1. Similis *H. citrinae*, differt sculptura, anfractuum arctiorum numero, perforatione aperta, in adultis membrana tenui clausa, et labio.

Obs. 2. Huic affinis videtur *H. monticola* Hutton (Nr. 328.) forsau hic collocanda.

165. *H. splendens* (Nanina) Hutton. †

T. discoidea, purpureo-brunnea, polita, leviter concentrice et radiatim striata, striis radiatis remotis, illis confertissime dispositis; spira vix elevata; anfr. 7 (apice omissa) arcte convoluti; apertura lunata; labrum striga incrassata interna distante munitum. — Diam. 0,65 poll. (H.)

*Nanina splendens* Hutt. in Journ. As. Soc. VII. P. 1. p. 215.

Habitat in Himalaya, prope Mahassu.

166. *H. rufa* Lesson.

T. perforata, depressiuscula, tenuis, confertim striata, lineis concentricis obsolete subdecussata, corneo-rufa; spira parum elevata; anfr. 6 convexiusculi, ultimus dilatatus, basi convexior, supra medium angulatus: angulo antice evanescente; apertura subverticalis, lunaris; perist. simplex, obtusum, margine columellari brevissime reflexo. — Diam. maj. 19, min. 17, alt. 40 mill. (Coll. Nr. 94.)

*Helix rufa* Less. voy. de la Coq. p. 305. t. 43. f. 2.

— — Chemn. ed. II. *Helix* N. 540. t. 87. f. 4. 5.

*Nanina exilis* var. Beck ind. p. 4.

Habitat in Nova Hibernia (Lesson), in insula Mauritii (Guérin).

§. 15.

167. *H. gummata* Sowerby.

T. subperforata, conico-subdepressa, superne striis longitudinalibus et transversis minutim decussata, fusca, absque nitore, epidermide gummacea induta, basi laevis, nitidissima, fusco-

lutescens, fascia lata lutea ad peripheriam, latiori rufae subtus adnata circumdata; anfr.  $6\frac{1}{2}$  convexi, angusti; apertura lata, lunaris; perist. simplex, margine columellari incrassato, reflexo, perforationem fere obtegente. — R. a. = 2 : 3. — Diam. maj. 36, min. 32, alt. 23 mill. (Coll. Nr. 95.)

*Helix gummata* Sow. in Proc. Zool. Soc. 1844. p. 25.

— — Pfr. Symb. II. p. 48.

— — Chemn. ed. II. Helix N. 184. t. 34. f. 1. 2.

— *luteofasciata* Lea in Philad. transact. 1844. p. 462. t. 12. f. 13.

Habitat in insula Luzon (Cuming).

#### 168. *H. semigranosa* Sowerby.

T. subperforata, depressa, suborbicularis, pallide olivaceo-fuscescens, apice rufescens, superne granulata, basi glabra, nitida; spira conoideo-depressa; anfr. 6, supremi subplanulati, 2 ultimi teretes, ultimus medio obtuse angulatus, rufo-unifasciatus; apertura lata, lunaris; perist. simplex, basi subincrassatum. — R. a. = 4 : 5. — Diam. maj. 36, min. 32, alt. 20 mill. (Coll. Nr. 96.)

*Helix semigranosa* Sow. in Proc. Zool. Soc. 1844. p. 26.

— — Pfr. Symb. II. p. 24.

— — Chemn. ed. II. Helix N. 185. t. 34. f. 3. 4.

— *Blainvilliana* Lea in Philad. transact. VII. p. 463. t. 12. f. 15.

Habitat in insula Luban Philippinarum (Cuming).

#### 169. *H. xanthotricha* Pfr.

T. obtecte subperforata, subdepressa, cinnamomea, superne et ultra peripheriam regulariter et minute granulata, epidermide velutina induta: pilis confertis, brevibus, aureis; sutura profunda; anfr. 6 rotundati, ultimus basi glaber, nitidus; apertura lata, lunaris, intus lactea, fusco-marginata; perist. simplex, acutum, margine columellari valde incrassato. — R. a. = 14 : 15. — Diam. maj. 34, min. 28, alt. 18 mill. (Coll. Nr. 97.)

*Helix xanthotricha* Pfr. Symb. II. p. 24.

— — Chemn. ed. II. Helix N. 186. t. 34. f. 16. 17.

— *velutina* Sow. in Proc. Zool. Soc. 1844. p. 25. Nec Lam.

β. Minor, pallida, fasciis nonnullis rufis: diam. maj. 20, min. 18, alt.  $12\frac{1}{2}$  mill. (Spec.) An distincta species?

*Helix xanthotricha* var. Chemn. ed. II. Helix t. 34. f. 18. 19.

Habitat in insula Guimaras, var. in ins. Negros Philippinarum (Cuming).

#### 170. *H. setigera* Sowerby.

T. obtecte subperforata, subsemiglobosa, tenuis, brunnea, superne et baseos extima parte subgranulata, epidermide seriatim setigera induta, basi glabra, nitida, fascia lata infra peripheriam

et periomphalo luteis; spira depresso-conoidea; anfr. 6 convexi; apertura subrotundo-lunaris; perist. simplex, margine columellari incrassato. — R. a. = 7 : 40. — Diam. maj. 30, min. 27, alt. 20 mill. (Coll. Nr. 98.)

*Helix setigera* Sow. in Proc. Zool. Soc. 1844. p. 25.

— — Pfr. Symb. II. p. 24.

— — Delessert recueil t. 38. f. 5.

— — Chemn. ed. II. Helix N. 187. t. 34. f. 20. 21.

Habitat in insula Luzon (Cuming).

Obs. Affinis *H. gummata*, epidermide setigera, peripheriam deorsum superante, facile distinguenda.

§. 46.

171. *H. Panayensis* (Carocolla) Broderip.

T. obtecte perforata, depressa, orbicularis, carinata, crassiuscula, superne griseo-fusca, minutissime granulata, basi radiatum striata, nitidissima, olivacea; spira depresso-conoidea; anfr. 6 planulati, ultimus non deflexus; apertura angulato-lunaris, intus albida; perist. simplex, basi incrassatum, ad columellam expansiusculum. — R. a. = 5 : 6. — Diam. maj. 44, min. 40, alt. 24 mill. (Coll. Nr. 99.)

*Carocolla Panayensis* Brod. in sched. Cuming.

*Helix Panayensis* Pfr. in Proc. Zool. Soc. 1842. p. 86.

— — Pfr. Symb. II. p. 36.

— — Chemn. ed. II. Helix N. 215. t. 30. f. 4—3.

β. Spira elatiore, anfractibus ultimis tumidis, superne saturate rufa, basi nigricante, deorsum pallescente.

*Helix Panayensis* var. Chemn. ed. II. Helix t. 30. f. 4.

Habitat in insula Panay Philippinarum, var. β ad Cagayan insulae Luzon (Cuming).

172. *H. semiglobosa* Pfr.

T. subperforata, semiglobosa, tenuis, lutescenti-cornea, supra minutissime granulata; sutura vix impressa; anfr. 6 plani, ultimus carinatus, infra carinam laevigatus, nitidus, fascia diluta, brunnea notatus; apertura lunato-elliptica, intus fasciata; perist. simplex, acutum, margine columellari late reflexo, umbilicum angustissimum semitegente. — R. a. = 44 : 46. — Diam. maj. 44, min. 39, alt. 26 mill. (Mus. Cuming.)

*Helix semiglobosa* Pfr. in Proc. Zool. Soc. 1845. p. 38.

β. Anfractu ultimo magis inflato, saturatius brunnescente. (Mus. Cumi.)

Habitat in insula Leyte, var. β prope Catbalonga insulae Samar Philippinarum (Cuming).

Obs. Affinis *H. Panayensi*. Differt testa tenui, spira semiglobosa, carina obtusa, perist. acuto, umbilico non clauso. Ab *H. semigranosa* differt testa

tenui, anfract. planis, celeriter crescentibus, granulis minutissimis, — ab *H. gummata* (cui forma simillima) carina, spira obtusa etc.

173. ***H. porphyria* Pfr.**

T. perforata, depressa, solida, oblique rugoso-striata, rufa, maculis et strigis creberrimis, flavido-albidis, subprominulis mar-morata, carinata, infra carinam fusco-fasciata, basi olivaceo-fulva, nitidior; anfr.  $4\frac{1}{2}$  planulati, regulariter accrescentes, ultimus circa perforationem apertam excavatus; apertura subrhombea; perist. simplex, tenue, margine columellari arcuatim reflexo. — R. a. = 3 : 5. — Diam. maj. 43, min. 38, alt. 26 mill. (Coll. Nr. 400.)

*Helix porphyria* Pfr. in Proc. Zool. Soc. 1842. p. 87.

— — (Nanina?) Pfr. Symb. II. p. 20.

— — *Phil.* Icon. I. 2. p. 22. t. 2. f. 3.

— — *Chemn.* ed. II. *Helix* N. 464. t. 32. f. 12. 13.

Habitat in insula Bureas Philippinarum (Cuming).

174. ***H. Darondeaui* Souleyet. †**

T. orbicularis, umbilicata, carinata, supra depresso-convexa, dilute fusco-olivacea, subtus convexa, castanea; anfr. 5 oblique rugosiusculi, transversim tenue et crebre striati; apertura ovato-rotundata, ad umbilicum anguste concava, intus fusca, albo-fasciata; perist. acutum; columella supra umbilicum late reflexa, alba; umbilicus mediocris, profundus, ad peripheriam depressus. — Diam. 44, alt. 49 mill. (Soul.)

*Helix Darondeaui* Soul. in Revue zool. 1842. p. 404.

Habitat in insula Luzon (Soul.).

175. ***H. Rumphii* v. d. Busch.**

T. perforata, sinistrorsa, orbiculata, carinata, saturate cinna-momea, ad carinam albido-fasciata, superne planiuscula, irregula-riter ruguloso-striata, basi convexa, striata; anfr.  $5\frac{1}{2}$  plani; aper-tura subrhombea, intus fusca; perist. simplex, margine columel-lari superne in laminam triangularem, patentem abeunte. — R. a. = 4 : 7. — Diam. maj. 44, min. 36, alt. 20 mill. (Coll. Nr. 104.)

*Helix Rumphii* v. d. Busch in *Phil.* Icon. I. 4. p. 9. t. 4. f. 2.

— — (Nanina?) Pfr. Symb. II. p. 20.

— — *Chemn.* ed. II. *Helix* N. 60. t. 44. f. 7—9.

Habitat in insula Java (Winter).

176. ***H. retrorsa* (Caracolla) Gould.**

T. perforata, sinistrorsa, sublenticularis, tenuiuscula, striata lineisque impressis subspiralibus, undulatis et confluentibus sub-tilissime rugulosa, pallide castanea vel luteo-fusca; spira parum elevata, apice acutiuscula; anfr.  $5\frac{1}{2}$  rapide accrescentes, vix con-

versiusculi, ultimus acute carinatus, basi gibbus; apertura rotundato-lunaris; perist. simplex, margine columellari non reflexo. — Diam. maj. 44, min. 35, alt. 20 mill. (Coll. Nr. 402.)

*Helix* (Caracolla) *retrorsa* Gould in Bost. journ. IV. 4. p. 455. t. 24. f. 4.

— *retrorsa* Chemn. ed. II. *Helix* N. 686. t. 440. f. 4—6.

Habitat in imperio birmano Indiae orientalis, prope Tavoy (Gould). prope Mergui (Th. Philippi).

Obs. Differt ab *H. Rumphii* spira elata, sculptura etc.

#### 177. *H. Janus Chemnitz.*

T. perforata, sinistrorsa, orbicularis, tenuis, diaphana, oblique regulariter et confertim costulato-striata, superne fusca, basi convexa rufo-castanea, nitidiuscula; spira late conoideo-depressa; anfr. 7 planulati, ultimus carinatus; apertura lunaris; perist. tenue, acutum, margine columellari reflexiusculo. — R. a. = 4 : 5. — Diam. maj. 36, min. 34, alt. 47 mill. (Coll. Nr. 403.)

*Helix Janus bifrons* Chemn. XI. p. 307. t. 243. f. 3046. 47.

— — (Helicella) Fér. pr. 233.

— — Pfr. in Proc. Zool. Soc. 1842. p. 87.

— — (Nanina?) Pfr. Symb. II. p. 49.

— — Chemn. ed. II. *Helix* N. 59. t. 44. f. 4—6.

— *Mackensiana* Soul. in Revue zool. 1841. p. 347.

— *Balesteriana* Lea in Transact. Am. phil. Soc. VII. p. 460. t. 42. f. 40.

*Ariophanta Janus* Beck ind. p. 5.

Habitat in monte Ophir peninsulae Malaccanae (Cuming).

#### 178. *H. bataviana v. d. Busch.*

T. perforata, depresso-globosa, tenuis, obtuse carinata, superne cinnamomea, oblique confertim costulata, subtus castanea, striata, versus umbilicum pallida, area umbilicali castanea; anfr. 6½ vix convexiusculi; apertura angulato-lunaris; perist. subsimplex, ad perforationem arcuatim reflexum. — R. a. = 2 : 3. — Diam. maj. 33½, min. 29, alt. 47½ mill. (Coll. Nr. 404.)

*Helix bataviana v. d. Busch* in Phil. Icon. I. 4. p. 9. t. 4. f. 3.

— — (Nanina?) Pfr. Symb. II. p. 47.

— — Chemn. ed. II. *Helix* N. 58. t. 44. f. 4—3.

Habitat in insula Java (Winter).

#### 179. *H. Cuvieriana Lea.*

T. aperte perforata, orbiculata, tenuis, pellucida, oblique striata, carinata, olivaceo-lutescens, infra carinam fascia lata rufa, deorsum diluta, ornata; spira vix elata; anfr. 5 planulati, ultimus basi convexus; apertura lata, lunaris; perist. simplex, acutum.



margine columellari breviter reflexiusculo. — R. a. = 4 : 5. — Diam. maj. 32, min. 28, alt. 44—45 mill. (Coll. Nr. 105.)

*Helix Cuvieriana* Lea in Transact. Am. phil. Soc. VII. p. 464 t. 42. f. 42.

— — (Nanina?) Pfr. Symb. II. p. 18.

— — Chemn. ed. II. Helix N. 461. t. 26. f. 7—9.

Habitat in insula Luzon (Cuming).

#### 180. *H. Chastellii* Férussac.

T. perforata, depressa, lenticularis, carinata, oblique striata, albida, maculis variis fuscis variegata, medio albo-cingulata; anfr. 6—6½ planulati; apertura subangulato-lunaris, intus fusca; perist. simplex, acutum, margine columellari dilatato, reflexo, perforationem non occultante. — Diam. maj. 23, min. 20½, alt. 42 mill. (Coll. Gray. et Walton.) — Diam. maj. 27, min. 24, alt. 44 mill. (ex ic. Féruss.)

*Helix Chastellii* (Helicella) Fér. hist. (1832.) t. 80. f. 4.

— — Chemn. ed. II. Helix N. 445. t. 74. f. 8—10.

— Cracherodii Gray in Proc. Zool. Soc. 1834. p. 67.

— — Müller synops. p. 9.

Habitat in India orientali? (Gray.)

#### 181. *H. exilis* Müller.

T. perforata, subdiscoidea, carinata, pellucida, tenera, pallide fulvida, superne depressa, argute striata, subtus convexior, striis minus distinctis; anfr. 6 planiusculi, ultimus non descendens, fascia angusta, rufa infra carinam ornatus; area umbilicalis interdum rufo-fusca; apertura lata, elliptica; perist. simplex, acutum, margine columellari brevissime reflexo. — Diam. maj. 35, min. 30, alt. 45 mill. (Mus. Cuming.)

*Helix exilis* Müll. verm. II. p. 22. N. 224.

— explanata Quoy et Gaim. Astrol. Zool. II. p. 123. t. 10 f. 10—13!

— — Lam. ed. Dh. 194. p. 124.

— — Fér. hist. t. 64 A. f. 1?

*Nanina exilis* Beck ind. p. 4

Habitat ad portum Dorey Novae Guineae (Quoy), in insula Ticao Philippinarum (Cuming).

Obs. Cl. Beck H. rufam Less. huc refert, et Cl. Cantraine H. aciem Partsch (late umbilicatam) eandem esse putat!

#### 182. *H. Novae Hollandiae* (Carocolla) Gray. †

T. orbicularis, conica, subdepressa, subperforata, tenuis; laevis, tenuissime elevato-punctata, pallide fulva; spira conica, convexa; anfr. 6 distincti, fascia brunnea submediana, ultimus

pallide angulariter carinatus, antice convexus, circum axin saturate brunneus; apertura subangulata; perist. pone carinam subinflexum, subincrassatum, reflexum, nigrum; labium internum tenue, brunneum; faux albida, fascia pellucida. — Diam. 44, axis 9 lin. (Gr.)

*Carocolla Novae Hollandiae Gruy* in Proc. Zool. Soc. 1834. p. 67.

— — — *Müller synops.* p. 44.

Habitat in Nova Hollandia ad flumen Macquarrie.

183. *H. induta* Pfr.

T. perforata, lenticularis, acute carinata, solida, superne confertim plicato-striata, lineis concentricis confertis decussata, subtus striata, spadicea, basi pallescens, circa perforationem castaneo-areolata, epidermide tenuissima corneo-grisea undique induta; anfr. 5 plani, sensim accrescentes; apertura subrhombica; perist. simplex, margine columellari vix reflexiusculo. — Diam. maj. 21, min. 18, alt. 44 mill. (Mus. Cuming.)

*Helix induta* Pfr. in Proc. Zool. Soc. 1845. p. 128.

Habitat . . . ?

184. *H. jervicensis* Quoy. †

T. globosa, subfragilis, perforata, valde et oblique striata, carinata, fulva, suturis et rima umbilicari rubentibus; anfr. 5 — 6, ultimus ventricosus; apertura lata, semilunata; perist. simplex, margine columellari reflexiusculo. (Q.) — Diam. maj. 21, min. 19, alt. 45 mill. (ex ic.)

*Helix jervicensis* Quoy et Gaim. Astrol. II. p. 126. t. 10. f. 18 — 21.

— — *Lam.* ed. Dh. 192. p. 120.

— *sutilosa* (Helicella) Fér. pr. 263?

*Bradybaena sutilosa* Beck ind. p. 18?

Habitat ad sinum Jervis Novae Hollandiae.

185. *H. Novae Hiberniae* Quoy.

T. perforata, globoso-depressa, carinata, oblique ruguloso-striata, tenuis, fulvescens, ad carinam linea rufa cincta; anfr. 6 vix convexiusculi, ultimus basi convexior, sublaevigatus, lineis concentricis obsolete decussatus; apertura lunaris, intus nitida, concolor; perist. rectum, obtusum, margine columellari subincrassato. — R. a. = 3 : 4. — Diam. maj. 49, min. 47, alt. 40 mill. (Coll. Nr. 106.)

*Helix Novae Hiberniae* Quoy et Gaim. Astrol. II. p. 124. t. 10.

f. 14 — 17.

— — — *Lam.* ed. Dh. 193. p. 120.

— — — *Chemn.* ed. II. Helix N. 548. t. 88. f. 1. 2.

*Nanina Novae Hiberniae Beck* ind. p. 4.

β. Basi fulvo-lutescens, superne rufescens: diam. maj. 21. min. 18½.  
alt. 12 mill. (Mus. Cuming.)

Habitat ad portum Carteret Novae Hiberniae.

186. **H. aniceps (Caracolla) Gould.**

T. vix perforata, lenticularis, pallide cornea, acute carinata, supra striata, subtus nitida; anfr. 6 vix convexiusculi, ultimus basi convexior, laevigatus, infra carinam compressam, breviter prominentem lineis nonnullis impressis, concentricis notatus: apertura angulato-lunaris; perist. simplex, tenue, margine columellari vix reflexiusculo. — Diam. maj. 17, min. 16, alt. 9 mill. (Coll. Nr. 107.)

*Caracolla aniceps Gould* in Bost. journ. IV. 4. p. 454. t. 24. f. 4.

*Helix aniceps Chemn.* ed. II. Helix N. 554. t. 88. f. 8—10.

Habitat prope Tavoy imperii birmani.

187. **H. indica Pfr.**

T. perforata, orbiculato-convexa, solidiuscula, superne confertim costulato-striata, lineis impressis confertis granulato-decussata, unicolor fulva; anfr. 5½ planiusculi, ultimus basi convexior, laevigatus, infra carinam lineis nonnullis impressis, concentricis notatus; apertura angulato-lunaris; perist. rectum, album, margine columellari subincrassato, superne breviter reflexo. — Diam. maj. 22, min. 19, alt. 14 mill. (Mus. Cuming.)

*Helix indica Pfr.* Symb. III. p. 66.

Habitat in montibus Nilagiricis Indiae orientalis (Perrottet).

188. **H. biangulata Pfr.**

T. subperforata, scalaeformis, tenuis, corneo-rubella, leviter striata, nitidiuscula; anfr. 7 lente accrescentes, ultimus bicarinatus: carina inferiore filari ad peripheriam, superiore per omnes anfractus ascendente; apertura lunato-ovalis; perist. simplex, acutum, perforationem angustissimam fere occultans. — Diam. maj. 13, min. 13½, alt. 9 mill. (Coll. Nr. 108.)

*Helix biangulata Pfr.* in Phil. Icon. I. 7. p. 153. t. 5. f. 12.

— — *Pfr.* in Proc. Zool. Soc. 1845. p. 40.

— — *Chemn.* ed. II. Helix N. 550. t. 88. f. 6. 7.

Habitat in provincia Cagayan insulae Luzon (Cuming).

189. **H. ochroleuca Férussac.**

T. subperforata, globuloso-depressa, leviter striata, albida, superne ochraceo variegata et cingulis aurantiis varie ornata: spira brevis, obtusa; sutura linearis; anfr. 7 plani, ultimus medio

carinatus; columella brevissima, verticalis; apertura lata, lunaris; perist. simplex, margine columellari reflexiusculo, perforationem fere tegente. — Diam. maj. 17, min. 15½, alt. 10 mill. (Coll. Nr. 409.)

*Helix ochroleuca* (Helicostyla) Fér. pr. 308.

— — *Blainv.* in Dict. sc. nat. XX. p. 437.

— — *Pfr.* Symb. III. p. 66.

— — *Chemn.* ed. II. Helix N. 166. t. 32. f. 7—9.

— *ochracea* Fér. hist. t. 30. f. 1.

— *albella* Chemn. IX. P. 2. p. 87. t. 126. f. 1106.

Habitat in insula Bermuda (Menke).

#### 190. *H. Jenynsi* Pfr.

T. subperforata, turbiniformis, striatula, tenuis, nitida, carinata, lactea, supra carinam fusco-unifasciata; spira brevis, conica, acuta; anfr. 5½ vix convexiusculi, ultimus basi convexior; apertura angulato-lunaris; perist. simplex, acutum, margine columellari superne reflexiusculo, perforationem fere claudente. — Diam. maj. 12, min. 11, alt. 7½ mill. (Mus. Cuming.)

*Helix Jenynsi* Pfr. in Proc. Zool. Soc. 1845. p. 131.

— — *Phil.* Icon. II. 11. p. 86. t. 7. f. 8.

Habitat . . . ?

Obs. Specimina 2 vidi prorsus aequalia, an adulta?

#### 191. *H. Zelandiae* (Carocolla) Gray.

T. perforata, depressa, turbiniformis, pallide cornea, pellucida, maculis rufis variegata, minute striatula; spira convexa; anfr. 5 planulati, ultimus carinatus, convexus; umbilicus profundus; perist. simplex, acutum. — Diam. maj. 9½, min. 9, alt. 5½ mill. (Spec. Mus. Britt.)

*Helix Zelandiae* (Carocolla) Gray in Dieffenb. trav. I. p. 247.

— — *Gray* in Revue zool. 1844. p. 375.

Habitat in Nova Seelandia.

#### 192. *H. Mariae* (Nanina) Gray.

T. subperforata, depressa, trochiformis, oblique confertim plicata, cornea, oblique et confertim strigato-flammulata; spira brevis, apice acutiuscula; anfr. 6 planiusculi, acute carinati, ultimus basi convexus; apertura lata, angulato-lunaris; perist. simplex, acutum, margine columellari brevissimo, subincrassato. — Diam. maj. 6½, min. 6, alt. 3½ mill. (Mus. Britt.)

*Nanina Mariae* Gray in Dieffenb. trav. I. p. 262.

Habitat in Nova Seelandia.

193. *H. filocincta* Pfr.

T. perforata, depressa, tenuis, pellucida, cornea, striatula, nitida; spira parum elevata, obtusa; anfr.  $5\frac{1}{2}$  convexiusculi, carinati, ultimus basi convexus: carina filiformi, in anfractibus superioribus conspicua, sed non exserta; apertura verticalis, lunato-subauriformis; perist. simplex, rectum, margine columellari perobliquo, elongato, descendente, ad dextram subito ascendente. — Diam. maj. 44, min. 40, alt.  $5\frac{1}{2}$  mill. (Coll. Nr. 410.)

*Helix filocincta* Pfr. in Proc. Zool. Soc. 1845. p. 424.

— — Chemn. ed. II. Helix N. 553. t. 88. f. 24—26.

Habitat prope Cagayan prov. Misamis ins. Mindanao (Cuming).

194. *H. atomata* (Carocolla) Menke.

T. orbiculato-convexiuscula, subtus convexa, perforata, striata, albida, fusco inquinata; anfractus infimus carinatus, supra ad carinam, reliqui ad suturam maculis inaequalibus, nigro-fuscis; apertura semiovalo-subtetragona. — Alt.  $4\frac{1}{2}$ , lat.  $2\frac{1}{2}$  lin. (Mke.)

*Carocolla atomata* Mke synops. p. 76. ed. 2. p. 428.

*Helix cheiranthicola* Lowe? (Beck.)

Habitat . . . ?

Obs. Hoc loco forsitan inserenda *H. cristula* Fér. voy. de Freycinet, imperfecte descripta, nec figurata. (Conf. Nr. 4104.)

\* \* \*

195. *H. viridis* (Vitrina) Quoy. †

T. solida, discoidea, valde carinata, desuper convexa, infra globosa, viridis, fascia lutea cincta; anfr.  $4\frac{1}{2}$  planiusculi; apertura ampla, triangularis; perist. simplex, acutum; rima umbilicalis vix distincta. — Diam. 9, alt. 6 lin. (Quoy.)

*Vitrina viridis* Quoy et Gaim. Astrol. II. p. 438. t. 44. f. 46—48.  
(c. anim.)

— — Lam. ed. Dh. VII. p. 730. N. 7.

*Nanina viridis* Beck ind. p. 4.

Habitat in montibus Manado insulae Celebes.

Obs. 1. Animal *Naninae*, nec *Vitrinae*:

Obs. 2. Nomen in systemate retineri potest (aeque ac *H. viridis* Dh.) cum generi *Naninae* species ascribenda sit. — Dubium tamen remanet, nonne specimen a Cl. Quoy descripta referenda sint ad *H. reginae* varietatem vel individua minus adulta, cui opinioni obstat «testa solida» et anfractuum numerus (in *H. reginae* adulta 4).

196. *H. excentrica* Pfr.

T. subperforata, superne planiuscula, basi inflata, tenuis, cerea, nitida, striis excentricis subcostulata, acute carinata; anfr.

4 supra plani, rapide accrescentes; apertura securiformis; perist. simplex, acutum, ad perforationem angustissimam dilatato-reflexum. — Diam. maj. 48, min. 45, alt.  $8\frac{1}{2}$  mill. (Coll. Nr. 444.)

*Helix excentrica* Pfr. in Proc. Zool. Soc. 1845. p. 44.

— — Chemn. ed. II. Helix N. 552. t. 88. f. 14—16.

Habitat in insula Siquijor Philippinarum (Cuming).

Obs. Specimina permulta vidi omnino conformia, quare dubitare non possum, descripta esse adulta et perfecta.

197. *H. variolosa* Pfr.

T. perforata, depressa, acute carinata, solidula, opaca, lutescens, superne confertissime plicata, lineisque concentricis regulariter decussata, pustulis albis subfasciatim obsita; spira planiuscula; anfr.  $3\frac{1}{2}$  vix convexiusculi, rapide accrescentes, ultimus basi convexus, infra carinam impressus; columella brevis, verticalis; apertura late securiformis; perist. simplex, acutum, margine columellari breviter reflexo, perforationem fere occultante. — Diam. maj. 23, min. 20, alt. 40 mill. (Mus. Cuming.)

*Helix variolosa* Pfr. in Proc. Zool. Soc. 1845. p. 428.

Habitat . . . ?

Obs. Specimina plura vidi plane conformia. An adulta?

§. 47.

198. *H. helvacea* Philippi.

T. umbilicata, globosa, tenuis, rugoso-plicata, lineis concentricis obsolete decussata, epidermide olivaceo-fusca induta; spira concidea; anfr. 6 convexi, ultimus ventrosus, antice non descendens; apertura lunato-subcircularis; perist. simplex, acutum, rectum, margine columellari dilatato, fornicatum reflexo, umbilicum angustum, pervium semioccultante. — Diam. maj. 29, min. 24, alt. 24 mill. (Coll. Nr. 442.)

*Helix helvacea* Phil. Icon. II. 9. p. 4. Helix t. 6. f. 2.

— — Chemn. ed. II. Helix N. 547. t. 87. f. 25. 26.

β. Fascia 4 alba, latiuscula ad suturam.

Habitat in China (Largilliert).

Obs. Conf. *H. ravida* (Nr. 69) et *tranquebarica* (Nr. 67).

199. *H. subgranosa* Le Guillou. †

T. subglobosa, umbilicata, tenuis, pellucida, dilute rufo-spaldicea, subtus albido-fuscescens, longitudinaliter et transversim tenuiter striata, fere granulata; anfr. 4 convexo-depressi; labrum

acutum, prope umbilicum angulatum; labium rectum, super umbilicum latum, profundum reflexum. — Diam. 28, alt. 23 mill. (G.)

*Helix subgranosa* Le Guillou in Revue zool. 1842. p. 137.

Habitat in Australia septentrionali.

200. **H. Knysnaensis Pfr.**

T. umbilicata, globosa, solidiuscula, costulato-striata, sericina, corneo-olivacea; spira brevis, obtusa; anfr. 4 convexiusculi, ultimus inflatus, basi sublaevigatus, nitidissimus; umbilicus angustus, pervius; apertura rotundato-lunaris, intus margaritacea; perist. simplex, acutum, margine columellari superne dilatato. patente. — Diam. maj. 24, min. 20, alt. 16 mill. (Mus. Cuming.)

*Helix Knysnaensis* Pfr. in Proc. Zool. Soc. 1845. p. 131.

— — *Phil.* Icon. II. 11. p. 85. t. 7. f. 5.

Habitat prope Knysna in promontorio bonae spei.

201. **H. inornata Say. †**

T. anguste et profunde umbilicata, subglobosa, pallide luteo-cornea, glabra; anfr. 5 convexi; sutura mediocris; apertura ampla; labrum simplex, marginibus approximatis. — Diam. vix  $\frac{7}{10}$  poll. (Say.)

*Helix inornata* Say in Philad. journ. II. p. 374.

Habitat in Pennsylvania.

Obs. Specimina hoc nomine ex America missa descriptioni non congruunt, sed ad *H. laevigatam* Fér. (Nr. 442) referenda sunt. Cl. Beck *H. inornatam* dubitanter sub *H. fuliginosa* Griff. laudat.

202. **H. Orbignyi Webb et Berthelot. †**

T. globulosa, tenuis, alba, umbilicata, irregulariter striata; spira elevata, conica, apice obtusa; anfr. 4 convexi; apertura rotunda; labrum tenue, acutum. — Diam. 7, alt. 6 mill. (W. et B.)

*Helix Orbignyi* Webb et Berth. canar. p. 59. t. 2. f. 31—33.

Habitat prope Santa Cruz de Teneriffa.

202\*. **H. saxatilis Couthouy. †**

T. parva, subglobosa, lucida, viridis, infra convexa, umbilico modico perforata, leviter striata; spirae anfr. 4 cylindrici, cito crescentes; sutura canaliculata; apertura suborbicularis, ampla; labrum simplex, fere continuum. — Alt.  $\frac{1}{10}$ , lat.  $\frac{1}{4}$  poll. (G.)

*Helix saxatilis* Couth. mss. Gould 1846. Exped. shells p. 19.

Habitat in Terra Ignea (Tierra del Fuego).

Obs. «In universum similis *H. lucidae*, forma globulosa et colore lacto-viridi insignis.»

§. 18 \*).

203. *H. Monrovia* Rang.

T. umbilicata, turbinata, tenuiuscula, albida, strigis virentibus irregulariter ornata, superne regulariter et confertim striata; spira elevata, obtusiuscula; anfr.  $3\frac{1}{2}$  convexiusculi, ultimus subtus laevigatus, nitidus, subplanulatus; columella subverticalis, stritiuscula; apertura subtetragona, intus alba; perist. simplex, acutum, margine columellari dilatato, reflexo, umbilicum mediocrem. pervium partim occultante. — Diam. maj. 20, min. 18, alt. 14—15 mill. (Mus. Cuming.)

*Helix Monrovia* Rang in Annu. d. sc. nat. XXIV. p. 16. t. 3. f. 3.

— — *Pfr.* in Phil. Icon. II. 11. p. 85. t. 7. f. 9.

Habitat in Africa: Liberia.

204. *H. tiara* Mighels. †

T. depresse turbinata, flavida, strigis fulguratis, saturate brunneis ornata; umbilicus latus et profundus; striae incrementi rudiusculae; anfr. 5—6 convexi; apertura lunato-circularis; labrum simplex, tenue. — Diam. circa  $\frac{1}{2}$ ". (M.)

*Helix tiara* Mighels in Bost. Proc. 1845. p. 19.

Habitat in insula Sandwich. Kauai.

204\*. *H. tumulus* Gould. †

T. parva, solida, flavida, orbiculato-pyramidata, basi subplanulata, umbilico modico perforata; spira elevata, conico-rotundata; anfr. 6—7 convexiusculi, striis perobliquis exarati, ultimus obtuse ad peripheriam angulatus, prope aperturam compressus; apertura parva, transversa, lunata; perist. simplex. — Long.  $\frac{2}{3}$ , alt.  $\frac{1}{10}$  poll. (G.)

*Helix tumulus* Gould 1846. Exped. shells p. 22.

Habitat in insulis Feejee.

Obs. •Persimilis *H. pyramidatae*. sed minus elevata et apice magis rotundata.

205. *H. Paraguayana* Pfr. †

T. orbiculata, umbilicata, laevigata, tenuis, diaphana, succinea; spira elevata, apice obtusa; anfr. 6; apertura rotunda, semilunaris; labrum tenue, acutum. — Diam. 5, alt. 3 mill. (O.)

*Helix Paraguayana* Pfr. Symb. II. p. 93.

— *elevata* Orb. synops. p. 6. Nec Say.

— — *Orb.* voy. p. 254. t. 28. f. 5—8.

Habitat in Paraguay, Montevideo.

\* Num forsan *H. Foullioyi* (Nr. 75.) huic sectioni ascribenda?



**206. H. Boothiana Pfr.**

T. anguste umbilicata, conoideo-globosa, hyalina, minutissime striata; anfr. 5 convexi; apertura lunato-ovalis; perist. simplex, acutum, subpatulum, ad umbilicum subreflexum. — Diam. maj.  $5\frac{1}{2}$ , min. 5, alt.  $3\frac{1}{2}$  mill. (Coll. Nr. 443. Spec. max.)

*Helix Boothiana* Pfr. in Wieg. Arch. 1839. I. p. 354.

— — Chemn. ed. II. *Helix* N. 528. t. 85. f. 43—45.

— *Lavalleana* Orb. cub. I. p. 464. t. 8. f. 46—49.

β. Major: diam. maj. 8, min.  $7\frac{1}{2}$ , alt. 5 mill. (Spec.)

*Helix vitrina* Adams in sched.

Habitat in insula Cuba, ubi frequentem legi circa Matanzas, var. in Jamaica.

**207. H. pleurophora Moricand. †**

T. parvula, globoso-conica, umbilicata, perforata; anfr. 5 rotundi transverse et eleganter striis elevatis costulati, grisei, concolores vel fulvo maculati; apertura subrotunda vel oblonga; perist. acutum. — Diam. 3, alt. 3 mill. (M.)

*Helix pleurophora* Moric. Mém. 3<sup>e</sup> suppl. p. 56. t. 5. f. 6—9.

Habitat in provincia Bahiensi Brasiliae.

**208. H. bullula Hutton. †**

T. parvula, glabra, translucens, subtrochiformis, conoidea; anfr. 5 convexi, ultimus rotundatus; sutura impressa; umbilicus angustatus; apertura latior; labrum simplex. — Diam. 0,45 poll. (Bens.)

*Helix bullula* Hutt. in Journ. As. Soc. VII. P. I. p. 248.

Habitat in Himalaya, prope Simla.

**209. H. umbilicata Montagu.**

T. umbilicata, depresso-turbinata, minute striata, sericina, fusco-cornea; anfr. 5 convexi, ultimus antice non descendens; umbilicus mediocris, pervius; apertura rotundata; perist. simplex, acutum, rectum. — Diam. maj.  $3\frac{1}{4}$ , min. 3, alt.  $2\frac{1}{2}$  mill. (Coll. Nr. 444.)

*Helix umbilicata* Montagu test. britt. p. 434. t. 13. f. 2.

— — Chemn. ed. II. *Helix* N. 566. t. 89. f. 32—35.

— *rupestris* (Helicella) Fér. pr. 204. Hist. t. 80. f. 2.

— — Lam. ed. Dh. 444. p. 79.

— — Hartm. in Sturm Fauna VI. 8. N. 2.

— — Rossm. VIII. p. 38. f. 534.

— *aliena* Zgl. Mus. Pfr. Symb. I. p. 39.

— *spirula* Villa dispos. syst. p. 56.

*Pyramidula rupestris* Fützing. syst. Verz. p. 95.

*Euryomphala umbilicata* Beck ind. p. 9.

*Patula rupestris* Held in Isis 1837. p. 916.

*Zonites umbilicatus* Gray Man. p. 466. t. 5. f. 45.

*Delomphalus saxatilis* Hartm. Gast. I. p. 122. t. 37. f. 4—6

*Turbo Myrmecidis* Scacchi osserv. zool. I. 44. (teste Phil.)

β. Trochoides, saturate rufa, angustius umbilicata.

*Helix rupestris* Drap. p. 82. t. 7. f. 7—9.

— — C. Pfr. III. p. 22. t. 4. f. 22. 23.

— — var. *Fér.* t. 80. f. 3.

— — Morelet moll. du Port. p. 72.

— *umbilicata* var. Chemn. ed. II. Helix t. 89. f. 40—43

*Euryomphala rupestris* Beck ind. p. 9.

*Delomphalus rupestris* Hartm. Gast. I. p. 120. t. 37. f. 4—3.

Habitat in rupibus calcareis Bavariae, Salisburgiac, Illyriae, Helvetiae, Italiae, Angliae, var. β in Gallia, Illyria, Helvetiae parte occidentali, Lusitania.

#### 210. *H. Assarinensis* Calcare. †

T. orbiculato-subconoidea, umbilicata, fulvo-castanea, albo maculata; anfr. 5 plane convexi, longitudinaliter oblique striati, 2 supremi glabri; apertura rotundato-depressa; labrum simplex. — Diam. 3 lin. (C.)

*Helix Assarinensis* Calc. in Revue zool. 1845. p. 281.

Habitat in Sicilia, ubi unicum specimen vivum repertum est prope Asaro.

Obs. «Affinis *H. rupestri* Drap.»

#### 211. *H. saxicola* Pfr.

T. anguste umbilicata, orbiculato-convexa, tenuis, diaphana, nitida, minutissime striata, corneo-fusca; anfr. 4½ convexiusculi, sensim accrescentes; apertura subcircularis; perist. simplex, acutum, marginibus conniventibus. — Diam. maj. 3½, min. 3, alt. 2¼ mill. (Coll. Nr. 415.)

*Helix saxicola* Pfr. in Wieg. Arch. 1840. I. p. 251.

— — Chemn. ed. II. Helix N. 567. t. 89. f. 36—39.

— *Mauriniana* Orb. cub. I. p. 162. t. 8. f. 20—23.

Habitat in insula Cuba, ubi raram legi circa Matanzas! La Carolina Gould in Bost. journ. IV. p. 488).

#### 212. *H. minutissima* Lea. †

T. subglobosa, supra obtuso-conoidea, subtus convexa, fusco-cornea, minutissime striata, umbilicata; spira brevis; sutura im-

pressa; anfr. 4 rotundi; apertura subrotunda; labrum acutum. — Diam. . . . ? (Lea.)

*Helix minutissima* Lea in Proc. Am. phil. Soc. 1844. H. p. 82.

Habitat in America boreali, prope Cincinnati.

Obs. Cl. Bronn in cat. conch. Heidelb. 1845 hanc speciem cum *H. minuscula* Binn. identicam declarat, sed utriusque descriptio non congruit. (Conf. Nr. 294.)

### §. 49.

#### 213. *H. olivetorum* Gmelin.

T. aperte umbilicata, globoso-depressa, nitida, glabriuscula, supra corneo-rufa, subtus virenti-albida; anfr.  $5\frac{1}{2}$  planiusculi, ultimus antice non descendens; apertura lunato-rotundata; perist. simplex, acutum, rectum, margine columellari vix reflexiusculo. — Diam. maj. 24, min.  $17\frac{1}{2}$ , alt. 12 mill. (Coll. Nr. 446.)

*Helix olivetorum* Gmel. p. 3639. N. 170. (Gualt. t. 3. f. 9.)

— — (Helicella) Fér. pr. 205. Hist. t. 82. f. 7—9.

— — Lam. 47. p. 78. ed. Dh. p. 47.

— — Rossm. VIII. p. 34. f. 522.

— — Chemn. ed. II. Helix N. 520. t. 84. f. 4. 5.

— *incerta* Drap. p. 109. t. 13. f. 8. 9.

— *algira* Dillw. cat. II. p. 892. (ex parte.)

— *cespitem* var. Cantr. Malac. p. 120.

*Mesomphix olivetorum* Beck ind. p. 8.

γ. Major, anfr. 6, apertura lunato-ovali: diam. maj. 34, min. 26, alt. 17 mill. (Spec. coll. Philippian.)

*Helix Leopoldina* Charp. (teste Sturm).

— *olivetorum* Rossm. VIII. t. 39 superne in med. (detr.)

γ? Umbilico angustiore, anfr. 7:

*Helix filicum* Kryn. Bull. Mosc. IX. p. 204. \*)

Habitat in Gallia meridionali et Italia, var. β in Liguria, var. γ? in Georgia et Tauria.

#### 214. *H. fuliginosa* Griffith.

T. anguste umbilicata, depressa, tenuis, striatula, nitida, olivacco-cornea; spira vix elevata; anfr.  $4\frac{1}{2}$  planiusculi, rapide accrescentes, ultimus magnus, subdepressus; apertura perobli-

\*) T. orbiculato-convexiuscula, depressa, inferne planulata, tenui, pellucida, nitida, transversim irregulariter striolata, supra fusciscenti-cornea, subtus albida; anfr. 7 oblique planulatis, ultimo ad aperturam dilatato; spira parum exserta; sutura impressa, subduplicata; umbilico medioeri, in fundo dilatato; apertura elevato-lunata, subobliqua; perist. simplici. — Diam. 40, alt. 4 mill. — A vera *H. incerta* Dr. umbilico minus dilatato cum anfractibus in eo occultis etc. plane videtur diversa. (Kryn. l. c.)

qua, ampla, lunato-ovalis; perist. simplex, acutum, margine umbilicari reflexiusculo. — Diam. maj.  $26\frac{1}{2}$ , min.  $22\frac{1}{2}$ , alt. 13 mill. (Coll. Nr. 417. Spec. Griffithian.)

*Helix fuliginosa* Griff. mss. Binn. in Bost. journ. III. p. 447. t. 24.

— — *Chemn.* ed. II. *Helix* N. 549. t. 84. f. 4—3.

— *capillacea* Pfr. *Symb.* II. p. 24. Nec Fér.

Habitat in Pennsylvania, Ohio.

#### 215. *H. caduca* Pfr.

T. umbilicata, depressa, fragilis, leviter striatula, albida, epidermide fulvo-cornea induta; spira parum elevata, vertice subtili; anfr.  $5\frac{1}{2}$  convexiusculi, ultimus multo latior, basi subplanulatus, circa umbilicum angustum, externe subinfundibuliformem excavatus; apertura majuscula, oblique truncato-ovalis; perist. simplex, tenue, marginibus subconniventibus, callo tenuissimo junctis, columellari vix expansiusculo. — Diam. maj. 27, min. 22, alt. 14 mill. (Coll. Nr. 418.)

*Helix caduca* Pfr. in *Zeitschr. f. Mal.* 1846. p. 158.

— — *Chemn.* ed. II. *Helix* N. 513. t. 83. f. 26—28.

Habitat in republica mexicana (Liebmann).

#### 216. *H. Griffithi* Pfr.

T. umbilicata, globoso-depressa, solidiuscula, laevigata, superne leviter striatula, corneo-lutescens; spira breviter elevata, conoidea; anfr. 6 convexiusculi, ultimus ad suturam castaneo-marginatus, ventrosus; umbilicus mediocris, pervius; apertura vix obliqua, ampla, rotundato-lunaris, intus margaritacea; perist. simplex, acutum, marginibus callo tenuissimo junctis, columellari breviter patente. — Diam. maj. 26, min. 24, alt. 14 mill. (Mus. Cuming.)

*Helix Griffithi* Pfr. in *Proc. Zool. Soc.* 1845. p. 127.

Habitat . . . ?

#### 217. *H. vitrinoides* Potiez et Michaud. †

T. umbilicata, orbiculato-subdepressa, apice obtusa, diaphana, nitida, laevis, fragilis, pallide cornea; anfr. 7 subplani, ultimus subcarinatus, infima facie convexus, laevissimus; apertura compressa; perist. simplex, acutum. — Axis 20, diam. maj. 30 mill. (P. et M.)

*Helix vitrinoides* Pot. et Mich. *gal. de Douai* I. p. 118.

Habitat . . . ?

218. *H. protensa* Férussac. †

T. umbilicata, depressa, striata, diaphane flava; spira vix elevata; anfr.  $4\frac{1}{2}$  planiusculi, celeriter accrescentes; umbilicus mediocris, pervius; apertura magna, lunato-ovalis, subtus dilatata; perist. simplex, acutum, margine columellari subarcuato, declivi, late reflexo. — Diam. maj. 20, min. 17, alt. 8—9 mill. (ex ic.)

*Helix protensa* (Helicella) Fér. pr. 207. Hist. t. 82. f. 3.

— — Chemn. ed. II. Helix N. 506. t. 83. f. 4—6.

Habitat in Syria, Standié (Olivier, Fér.).

219. *H. capillacea* Férussac. †

T. umbilicata, depressa, striatula, corneo-lutescens; spira vix elevata; anfr. 4 celeriter accrescentes, vix convexi, ultimus vix descendens, basi convexior; umbilicus mediocris, pervius; apertura lunato-ovalis; perist. simplex, acutum, margine columellari subarcuato, reflexiusculo. — Diam. maj. 24, min. 18, alt. 40 mill. (ex ic.)

*Helix capillacea* (Helicella) Fér. pr. 206. Hist. t. 82. f. 5.

— — Chemn. ed. II. Helix N. 507. t. 83. f. 7—9.

Habitat ad Port-Jackson. (Fér.)

220. *H. chalcophila* Orbigny. †

T. orbiculata, umbilicata, tenuis, substriata, diaphana, griseo-cornea; spira obtusa; anfr. 6; apertura rotunda; labrum tenue. — Diam. 49, alt.  $4\frac{1}{2}$  mill. (O.)

*Helix chalcophila* (Helicella) Orb. synops. p. 6.

— — Orb. voy. p. 254. t. 27. f. 8—14.

Habitat in provincia Chiquitensi Boliviae.

221. *H. skiaphila* Orbigny. †

T. orbiculata, convexa, umbilicata, tenuis, sublaevigata, diaphana, albida; spira obtusa; anfr. 6; apertura rotundata; labrum tenue. — Diam. 42, alt. 5 mill. (O.)

*Helix skiaphila* (Helicella) Orb. synops. p. 5.

— — Orb. voy. p. 249. t. 27. f. 4—7.

*Circinaria skiaphila* Beck ind. p. 23.

Habitat prope Cochabamba Boliviae.

Obs. • *H. omalomorphae* affnissima. » (O.)

222. *H. allmaria* Miller.

T. anguste umbilicata, convexo-depressa, polita, nitidissima, diaphana, superne fulva, subtus albida; anfr. 5 vix convexiusculi.

regulariter accrescentes; apertura depressa, oblique lunaris; perist. rectum, acutum, simplex. — Diam. maj. 45, min. 43, alt. 7 mill. (Coll. Nr. 449.)

*Helix alliaris* Mill. Ann. Phil. n. s. VII. p. 379.

— — Chemn. ed. II. Helix N. 508. t. 83. f. 40—42.

— *alliacea* Jeffr. Linn. transact. XIII. p. 344. 544.

— *glabra* Stud. Fér. pr. 215.

— — Rossm. VIII. p. 36. f. 528.

— *nitens* Shepp. Linn. transact. XVI. p. 460.

— — var. *tenera* Faure-Big. (Rossm.)

— *foetida* Stark elem. of nat. hist. II. p. 59.

— — Brown Brit. shells t. 40. f. 48—52.

*Helicella glabra* Beck ind. p. 6.

*Polya glabra* Held in Isis 1837. p. 916.

*Zonites alliarius* Gray Manual p. 468. t. 4. f. 39.

β. Foramine punctiformi: H. nitidissima Parr. in sched.

Habitat in Germania, Helvetia, Britannia etc., var. β in Hungaria.

### 223. *H. bilineata* Pfr.

T. umbilicata, depressa, tenuis, nitida, pellucida, laevigata, lutescenti-cornea; spira planiuscula; sutura striolata; anfr. 5 vix convexiusculi, regulariter accrescentes, ultimus subdepressus, lineis 2 castaneis, altera supra peripheriam, altera suturali, ad apicem usque conspicua, ornatus; umbilicus angustus; apertura oblique lunaris; perist. simplex, acutum, margine columellari brevissime reflexo. — Diam. maj. 45, min. 42, alt. 7 mill. (Coll. Nr. 420.)

*Helix bilineata* Pfr. in Proc. Zool. Soc. 1845. p. 128.

— — Chemn. ed. II. Helix N. 509. t. 83. f. 23—25.

Habitat . . . ?

Obs. Persimilis praecedenti. Differt anfractibus celerius crescentibus, sutura striolata, etc.

### 224. *H. Balmei* Potier et Michaud. †

T. orbiculata, convexiuscula, striata, umbilicata, tenuis, corneo-fulva, subtus lactescens, striis longitudinaliter regulariter dispositis; anfr. 6 convexi; sutura impressa; apertura ovalis, compressa; labrum simplex, acutum; apex obtusus. — Axis 7—8, diam. 42—44 mill. (P. et M.)

*Helix Balmei* Pot. et Mich. gal. de Douai I. p. 120.

Habitat in Sicilia.

Obs. 1. «Differt ab *H. cellaria* striis superficiem tegentibus et habitu.»

Obs. 2. Cl. Beck speciem generi *Circinariae* ascribit (p. 24) et *H. convexum* Fér. t. 83. f. 1 citat. (Conf. Nr. 260.)

**225. *H. peregrina* Aradas et Maggioro. †**

T. subdepressa, umbilicata, cornea, subdiaphana, longitudinaliter oblique ac eleganter striata; anfr. 5—6 rotundati, sutura profunda divisi; apertura oblique subovata; labrum simplex. — Alt. 2, diam.  $3\frac{1}{2}$  lin. (A. et M.)

*Helix peregrina* Arad. et Magg. cat. rag. p. 79.

Habitat in Sicilia.

Obs. «Affinis *H. cellariae*, sed absque nitore, tenuior, longitudinaliter striata.»

**226. *H. diaphanella* Krynicky. †**

T. orbiculato-convexiuscula, depressa, inferne planulata, tenuis, diaphana, nitida, glabra, griseo-albida aut flavescens; anfr. 7 planulati, ultimus attenuatus; sutura impressiuscula, subduplicata; spira vix exserta; umbilicus apertus, angustatus, profundus; apertura compresso-lunata; perist. simplex. — Alt.  $4\frac{1}{2}$ , diam.  $3\frac{1}{2}$  lin. (Kr.)

*Helix diaphanella* Kryn. Bull. Mosc. IX. p. 204.

— *diaphana* Kryn. Bull. Mosc. VI. p. 436. Nec Lam.

— *multispira* Pfr. Symb. III. p. 16.

Habitat in Tauria.

Obs. 1. «Ab *H. cellaria*, cui similis, anfractuum numero, quorum ultimus non dilatatus, aperturae forma etc. facile distinguenda.» (Kr.)

Obs. 2. Villa (disp. syst. p. 17.) *H. diaphanellam* Kryn. synonymam *H. hydatinae* Rossm. habet, sed characteres valde differre videntur. (Conf. Nr. 124.)

**227. *H. Testae* Philippi.**

T. umbilicata, orbiculato-convexiuscula, minutim striata, nitida, glabra, superne cornea, basi pallidior; spira subelevata; anfr. 6 planiusculi, lente accrescentes, ultimus basi planulatus; umbilicus mediocris, pervius; apertura subtriangulari-lunaris; perist. simplex, acutum, margine supero antrorsum arcuato. — Diam. maj. 10, min. 9, alt.  $4\frac{1}{2}$  mill. (Coll. Nr. 124.)

*Helix Testae* Phil. in Zeitschr. f. Mal. 1844. p. 104.

— — Phil. Icon. II. 9. p. 2. t. 6. f. 5.

— — Chemn. ed. II. Helix N. 692. t. 111. f. 6—9.

— *Philippi Testa* in Arad. et Magg. cat. p. 92.

— — Phil. Sicil. II. p. 219.

Habitat in Sicilia. prope Palermo.

**228. *H. nitens* Michaud.**

T. late umbilicata, convexo-depressa, tenera, glabriuscula, diaphana, supra lutescens, subtus albida; anfr.  $4\frac{1}{2}$  planulati, ultimus antice dilatatus et subdeflexus; apertura obliqua, lunato-

ovalis; perist. rectum, repandum, simplex, acutum. — Diam. maj. 15, min. 13, alt.  $7\frac{1}{2}$  mill. (Coll. Nr. 122.)

*Helix nitens* Mich. compl. p. 44. t. 15. f. 4—3.

— — *Sturm* Fauna VI. 8. 3.

— — *Rossm.* VIII. p. 35. f. 524. 25.

— — *Morelet* moll. du Port. p. 55.

— — *Chemn.* ed. II. *Helix* N. 510. t. 83. f. 13—16.

— *hauca* Jan. (teste Rm.)

— *cellaria* var. *a Porro* Malac. p. 26. t. 1. f. 4.

— . . . . *Fér.* hist. t. 84. f. 3. 4?

*Polita nitens* Held in Isis 1837. p. 916.

Habitat in Austria, Illyria, Gallia, Italia, Lusitania.

Obs. Conf. *H. splendida* Nr. 208.

### 229. *H. nitidula* Draparnaud.

T. late umbilicata, globoso-depressa, sublaevis, superne rufescens, subtus albida, parum nitida; spira subelevata; anfr.  $4\frac{1}{2}$  vix convexiusculi, ultimus antice dilatatus; apertura perobliqua, lunato-oblonga; perist. simplex, acutum, margine supero antrorsum dilatato, columellari breviter arcuato. — Diam. maj. 9, min.  $7\frac{1}{2}$ , alt.  $4\frac{1}{2}$  mill. (Coll. Nr. 123.)

*Helix nitidula* Drap. p. 117.

— — (*Helicella*) *Fér.* pr. 213.

— — *Rossm.* I. p. 72. f. 24. VIII. p. 36. f. 526.

— — *Kryn.* Bull. Mosc. IX. p. 208.

— — *Chemn.* ed. II. *Helix* N. 512. t. 83. f. 20—22

*Oxychilus nitidulus* Fitz. syst. Verz. p. 100.

*Helicella nitidula* Beck ind. p. 6.

*Polita nitidula* Held in Isis 1837. p. 916.

*Zonites nitidulus* Gray Man. p. 172. t. 12. f. 136.

2. *Hyalina*: *Helix* *Helmii* Gilb. in Mus. Britt.!

Habitat in Germania, Gallia, Britannia, Rossia etc.

### 230. *H. cistorum* Morelet. †

T. utrinque orbiculato-convexa, depressiuscula, umbilicata, subtiliter striata, tenuis, supra fuscescens, subtus cineracea, subcornea, flammulis albidulis undatim variegata; anfr. 6, ultimus subangulatus, zonula nigricante interrupta cinctus; apertura ovata; perist. simplex, acutum, vix marginatum; labrum columellare arcuatum. — Amplit. 9 mill. (Mor.) — Diam. maj.  $15\frac{1}{2}$ , min. 14 mill. (ex ic. auct.?)

*Helix cistorum* Morelet moll. du Port. p. 66. t. 6. f. 5.

Habitat in provincia Alemtejo Lusitaniae.



231. *H. nitida* Müller.

T. aperte umbilicata, globoso-depressa, striata, pellucida, fulvo-fusca, concolor, nitida; anfr. 5 convexiusculi, ultimus teres, circa umbilicum excavatus; apertura lunato-circularis; perist. tenue, acutum, margine basali arcuato. — Diam. maj.  $7\frac{1}{2}$ , min. 6, alt.  $3\frac{1}{2}$  mill. (Coll. Nr. 424.)

*Helix nitida* Müll. verm. II. p. 32. N. 234.

— — Lam. 97. p. 94. ed. Dh. p. 72.

— — Chemn. ed. II. Helix N. 448. t. 24. f. 30. 31.

— lucida Drap. p. 403. t. 8. f. 44. 42.

— — C. Pfr. I. p. 35. t. 2. f. 49.

— — Rossm. I. p. 72. f. 25.

— — Kryn. Bull. Mosc. IX. p. 207.

— tenuis Dillw. cat. II. p. 943. N. 60? (Gray.)

— Hammonis Ström act. nidr. III. 435. t. 6. f. 46?

— succinea Stud. in Cox. trav. Hartm.

— nitescens Andr. (teste Kryn.)

*Tanyclamys lucida* Bens. Proc. Zool. Soc. 1834. p. 89.

*Helicella nitida* Beck ind. p. 6.

*Oxychilus lucidus* Füz. syst. Verz. p. 100.

*Polita lucida* Held in Isis 1837. p. 946.

*Zonites lucidus* Gray Man. p. 474. t. 4. f. 38.

Habitat in Germania, Helvetia, Gallia, Britannia, Suecia, Finnia, Russia.

232. *H. simplicula* Morelet. †

T. parvula, lenticularis, subprominula, valde umbilicata, tenuissime striata, pallide cornea; anfr. 5, ultimus subangulatus, subtu convexiusculus; apertura depressa; perist. simplex. — Amplit. 6 mill. (Mor.) — Diam. maj. 6, min. 5 mill. (ex ic.)

*Helix simplicula* Mor. moll. du Port. p. 56. t. 6. f. 2.

Habitat in Lusitania, inter Mertola et Castro Verde.

233. *H. Jacksoniensis* Gray. †

T. depressa, pallide brunnea, polita, concentrice substriata; spira convexa; anfr. plani, ultimus rotundatus, depressus; apertura lunata; faux albidula; labium externum tenue. — Axis 3. diam.  $3\frac{1}{2}$  lin. (Gr.)

*Helix Jacksoniensis* Gray in Proc. Zool. Soc. 1834. p. 65.

— — Müll. synops. p. 7.

Habitat prope Port Jackson Novae Hollandiae.

Obs. « Similis *H. nitidae* O. F. Müll. » (Gray.)

**234. *H. arborea* Say.**

T. umbilicata, depressa, nitidula, striatula, virenti- vel fulvescenti-cornea; spira convexa, parum elata; anfr. 4 —  $4\frac{1}{2}$  convexiusculi, ultimus vix depressus; umbilicus angustus, pervius; apertura lunato-circularis; perist. simplex, acutum. — Diam. maj. 5, min.  $4\frac{1}{2}$ , alt.  $2\frac{1}{4}$  mill. (Coll. Nr. 125.)

*Helix arborea* Say Amer. Enc. t. 4. f. 4.

— — (Helicella) Fér. pr. 249.

— — Binn. in Bost. journ. III. p. 422. t. 22. f. 1.

— — Gould report p. 182. f. 110.

— — Pfr. Symb. II. p. 23.

— — Chemn. ed. II. Helix N. 533. t. 85. f. 33 — 35.

— *nitidula* β Fér.?

— *Ottonis* Pfr. in Wieg. Arch. 1840. I. p. 254.

Habitat in America boreali: Ohio, Massachusetts; nec non in insula Cuba!

Obs. Comparata speciminum copia *H. Ottonis* ab *arborea* specificè separandam non esse cognovi.

**235. *H. nitensoides* Orbigny. †**

T. orbiculato-depressa, umbilicata, tenuis, pellucida, succinea, lucida; spira convexiuscula; anfr. 5 minime distincti; apertura semilunaris. — Diam. 9, alt. 5 mill. (O.)

*Helix nitensoides* Orb. cub. I. p. 164. t. 10. f. 9 — 12.

Habitat in insula Cuba.

Obs. An varietas praecedentis?

**236. *H. vortex* Pfr.**

T. anguste umbilicata, convexo-discoidea, hyalina; anfr.  $5\frac{1}{2}$  convexiusculi, angusti, obsolete striati, ultimus subangulatus, plerumque deorsum deviat; apertura lata, lunaris; perist. simplex, acutum, margine columellari reflexiusculo. — Diam. maj. 6, min.  $5\frac{1}{2}$ , alt.  $2\frac{3}{4}$  —  $3\frac{1}{2}$  mill. (Coll. Nr. 126.)

*Helix vortex* Pfr. in Wieg. Arch. 1839. I. p. 354.

— — Chemn. ed. II. Helix N. 526. t. 85. f. 7 — 9.

Habitat in provincia Canimarensi insulae Cubae! In insula St. Croix Indiae occidentalis (Mus. Cuming.).

**237. *H. peraffinis* Adams.**

T. umbilicata, depressa, striatula, hyalina; spira brevissima, obtusa; anfr. 6 convexi, ultimus rotundatus, basi planiusculus; umbilicus mediocris; apertura subverticalis, triangulato-lunaris; perist. simplex, acutum, margine dextro subverticali, columellari

brevissime reflexo, basali strictiusculo. — Diam. maj. 8, min.  $7\frac{1}{2}$ , alt.  $4\frac{1}{4}$  mill. (Coll. Nr. 127.)

*Helix peraffinis* Ad. in Bost. Proc. 1843. p. 16.

— — Pfr. Symb. III. p. 67.

Habitat in insula Jamaica.

Obs. Characteribus medium tenet inter *H. Boothianam* et *vorticem*.

### 238. *H. pellucida* Adams. †

T. parva, pallide cornea, diaphana, exilissime et creberrime striata; spira late conica; anfr. 6 perconvexi, ultimus magnus, rotundatus; apertura suborbicularis, ab anfr. penultima valde invasa; labrum tenuissimum; umbilicus parvus. — Div. 110". Alt. 0,2, lat. max. 0,28, lat. min. 0,25 poll. (Ad.)

*Helix pellucida* Adams in Boston Proc. 1843. p. 16.

Habitat in insula Jamaica.

Obs. Cl. auctor speciem praecedentem varietatem «spira depressa, convexa, umbilico multo latiore» forsan esse putat.

### 239. *H. pura* Alder.

T. umbilicata, depressa, concolor, cornea, pellucida, nitida, striatula; spira subplanata; anfr.  $\frac{1}{2}$  vix convexiusculi, celeriter accrescentes, ultimus depressus; umbilicus mediocris, pervius; apertura perobliqua, lunato-rotundata; perist. simplex, acutum. — Diam. maj.  $4\frac{2}{3}$ , min. 4, alt. 2 mill. (Coll. Nr. 128.)

*Helix pura* Alder catal. (1830.) 12. N. 46.

— — Chemn. ed. II. *Helix* N. 511. t. 83. f. 17—19.

— *nitidosa* (Helicella) Fér. pr. 214.

— — Rossm. I. p. 71. f. 23.

— — Kryn. Bull. Mosc. IX. p. 205.

— *nitidula* β Drap. p. 117. t. 8. f. 21. 22.

— — C. Pfr. I. p. 45. t. 2. f. 35.

— *lenticula* Held in Isis 1837. p. 304.

— *electrina* Gould in Bost. journ. III. p. 423. t. 22. f. 2.

— — Gould report p. 183. f. 111.

— *nitida* Risso (teste Beck).

*Helicella nitidosa* Beck ind. p. 6.

*Polita nitidosa* Held in Isis 1837. p. 916.

*Zonites purus* Gray Man. p. 171. t. 4. f. 43.

β. Testa distinctius striata:

*Helix striatula* Gray in Med. repos. 1824. p. 239.

— *radiatula* Alder catal. 12. N. 50.

*Zonites radiatulus* Gray Man. p. 173. t. 12. f. 137.

γ. Hyalina vel viridula:

*Helix viridula* Menke syn. ed. 2. p. 127.

*Helix clara* Held in Isis 1837. p. 902.

*Helicella viridula* Beck ind. p. 7.

*Polita clara* Held in Isis 1837. p. 916.

An *Helix vitrina* Fér. pr. 217?

Habitat frequens in Germania, Helvetia, Gallia, Britannia, Rossia, Volhynia etc., promiscue cum var.  $\beta$  et  $\gamma$ ; nec non in America boreali: Massachusetts (Gould).

Obs. Variat anfract. magis minusve convexis, umbilico latiore vel angustiore.

239. *H. pusillus* Gould. †

T. minuta, tenuis, depressa, supra oblique striata, albido-virens, infra viridior, subpolita, perforata; spirae anfr. 4 subplanulati; sutura profunda; apertura circularis; labrum simplex. — Long.  $\frac{7}{16}$ , lat.  $\frac{1}{16}$  poll. (G.)

*Helix pusillus* Gould 1846. Exped. shells p. 49.

Habitat in insulis Sandwich., in montibus ins. Maui.

Obs. 1. «Vix distinguenda ab *H. electrina*, sed magis striata. Similis etiam *H. spirillo* (Cujusnam?), umbilico multo angustiore diversa.»

Obs. 2. Dimensiones erroneae esse videntur. — Nomen servari non potest.

240. *H. parvula* Rang. †

T. orbiculata, utrinque convexa, umbilicata, laevigata, lucida, diaphana, luteo-brunnea; anfr. 3 planiusculi; spira obtusa; apertura rotunda; labrum tenue. — Diam. 4, alt.  $\frac{1}{2}$  mill. (R.)

*Helix parvula* Rang in Ann. d. sc. nat. XXIV. p. 44.

Habitat in Promontorio viridi Africae.

241. *H. pygmaea* Draparnaud.

T. aperte umbilicata, orbiculato-convexa, fuscula, minutissime striata, sericina; anfr.  $3\frac{1}{2}$  subaequales, convexiusculi; apertura lunaris; perist. simplex, rectum, acutum. — Diam. maj.  $4\frac{1}{2}$ , min.  $4\frac{1}{2}$ , alt.  $\frac{2}{3}$  mill. (Coll. Nr. 429. Spec. hass.)

*Helix pygmaea* Drap. p. 444. t. 8. f. 8—10.

— — (Helicella) Fér. pr. 200. Hist. t. 80. f. 4.

— — C. Pfr. III. p. 21. t. 4. f. 20. 21.

— — Lam. ed. Dh. 426. p. 86.

— — Turt. Man. p. 64. t. 5. f. 46.

— — Rossm. VIII. p. 37. f. 532.

— — Morelet moll. du Port. p. 55.

— — Chemn. ed. II. Helix N. 564. t. 89. f. 24—27.

— *minuta* Stud. in Coxe travels.

— *Kirbi* Shepp. in Linn. transact. XIV. p. 162.

*Discus pygmaeus* Fitz. syst. Verz. p. 99.

*Euryomphala pygmaea* Beck ind. p. 9.

*Patula pygmaea* Held in Isis 1837. p. 916.

*Zonites pygmaeus* Gray Man. p. 167. t. 5. f. 46.

Habitat in Germania, Helvetia, Gallia, Britannia, Lusitania, Suecia etc.

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**242. *H. Antoni* Pfr.**

T. umbilicata, subdiscoidea, tenuis, pellucida, pallide luteo-cornea, subtilissime striata, nitida; spira vix convexiuscula; anfr.  $5\frac{1}{4}$  plani, lente accrescentes, ultimus obsolete angulatus; umbilicus latissimus, perspectivus; apertura lunaris; perist. simplex, acutum. — Diam. 40, alt. 4 mill. (Coll. Anton.)

*Helix Antoni* Pfr. Symb. II. p. 22.

Habitat ad Panama.

**243. *H. excavata* Bean.**

T. late umbilicata, depressa, tenuis, striata, nitida, pellucida, cornea; spira subelevata; anfr. 5 convexiusculi, lente accrescentes, ultimus non descendens; apertura obliqua, subcircularis; perist. simplex, tenue. — Diam. maj.  $6\frac{1}{4}$ , min.  $5\frac{3}{4}$ , alt.  $2\frac{3}{4}$  mill. (Mus. Cuming.)

*Helix excavata* Bean mss. in Alder cat. 43. N. 52.

— — Alder in Mag. Zool. et Bot. II. 407.

— — Thomps. in Ann. and Mag. nat. hist. VI. p. 34.

— nitida a Jeffr. in Linn. transact. XIII. 339. 544.

— lucida var. Turt. Man. p. 57. t. 4. f. 39?

*Zonites excavatus* Gray Man. p. 175. t. 4. f. 39?

Habitat in Anglia: Scarborough, et Hibernia (Thomps.).

**244. *H. telonensis* Miltre. †**

T. subdepressa aut convexiuscula, cornea, tenuis, pellucida, subtilissime striata; anfr. 5 convexi, ultimus major; apertura rotundata; perist. acutum, simplex; umbilicus magnus. — Diam. 4 lin. (M.)

*Helix telonensis* Miltre in Ann. d. sc. nat. XVIII. p. 488.

Habitat in Gallia meridionali, prope Toulon.

§. 20.

**245. *H. incubrata* Say.**

T. aperte umbilicata, globoso-depressa, polita, rufescens, subdiaphana, subtus pallidior; spira convexa, valde depressa;

sutura mediocris; anfr. 4 corrugati; apertura suborbicularis; perist. simplex. — Diam. 4 poll. (Say.)

*Helix lucubrata* Say descr. of new terr. shells etc. p. 43.

Habitat in republica mexicana.

Obs. «Affinis *H. inornatae*, umbilico multo latiore, apertura accuratius rotundata, colore saturatiore distincta.» (Say.)

246. *H. Zonites* Pfr.

T. umbilicata, depressa, tenuis, diaphana, confertim costulato-striata, lutescenti-cornea; spira vix elata; anfr. 6 convexiusculi, regulariter accrescentes, ultimus supra medium linea rufa, ad apicem usque conspicua ornatus, basi laevior, subplanulatus; umbilicus mediocris, pervius; apertura depressa, oblique lunato-ovalis, intus margaritacea; perist. simplex, rectum, margine columellari breviter patente. — Diam. maj. 25, min. 20, alt. 12½ mill. (Mus. Cuming.)

*Helix Zonites* Pfr. in Proc. Zool. Soc. 1845. p. 127.

Habitat ...?

247. *H. cypria* Pfr.

T. umbilicata, depressa, solidiuscula, superne costulato-striata, pericina, fulva, basi laevigata, pallidior; spira vix elevata, obtusissima; anfr. 5½ — 6 planiusculi, lente accrescentes, ultimus antice non descendens, basi subplanulatus, circa umbilicum mediocrem impressus; apertura obliqua, rotundato-lunaris; perist. simplex, acutum, margine columellari vix patente. — Diam. maj. 44, min. 42, alt. 6 mill. (Coll. Nr. 430.)

*Helix cypria* Pfr. in Zeitschr. f. Mal. 1847. p. 12.

— — Chemn. ed. II. *Helix* N. 505. t. 83. f. 1 — 3.

Habitat in insula Cypro. (Parreyss.)

Obs. Sub nomine *H. protensis* accepi, sed ab icona *H. protensae* Fér. longe differt.

248. *H. orthostoma* Pfr.

T. umbilicata, depressa, superne confertim subarcuato-striata, tenuis, pellucida, pallide cornea; spira vix elevata, obtusa; anfr. 6 angusti, convexiusculi, ultimus basi sublaevigatus; umbilicus majusculus, cylindraceus; apertura verticalis, oblique lunaris; perist. simplex, acutum, margine supero brevi, basali valde arcuato, columellari dilatato, sinuato. — Diam. maj. 40, min. 9, alt. 5 mill. (Coll. Nr. 434.)

*Helix orthostoma* Pfr. in Proc. Zool. Soc. 1845. p. 124.

— — Chemn. ed. II. *Helix* N. 544. t. 83. f. 29 — 31.

Habitat prope Dingle insulae Panay Philippinarum (Cuming).

249. *H. fragilis* Pfr.

T. umbilicata, subdepressa, tenuissima, laete cornea, oblique costata; anfr. 4 convexiusculi; apertura magna, subcircularis: perist. tenue, acutum, ad umbilicum subreflexum. — Diam. maj.  $9\frac{2}{3}$ , min. 8, alt. 6 mill. (Coll. Nr. 432. Spec. max.)

*Helix fragilis* Pfr. in Wieg. Arch. 1839. I. p. 350.

— — *Phil.* Icon. I. 3. p. 54. t. 3. f. 40.

— — *Chemn.* ed. II. *Helix* N. 527. t. 85. f. 40—42.

Habitat in insula Cuba, ubi prope Matanzas minus frequentem legi; Retiro, Carolina et Mt. Vernon (Gould).

Obs. Nomen servari potest, cum in dispositione systematica *H. fragilis* Hutt. (Nr. 89.) in genere *Naninae* enumeranda sit.

250. *H. sincera* Adams.

T. umbilicata, depressa, tenuis, confertim costulata, cerco-albida; spira plana; anfr. 4 convexiusculi, ultimus teres; umbilicus latus, perspectivus; apertura subverticalis, lunato-circularis: perist. simplicissimum, rectum. — Diam. maj.  $3\frac{1}{3}$ , min. 3, alt.  $4\frac{1}{2}$  mill. (Mus. Cuming).

*Helix sincera* Ad. in Bost. Proc. 1845. p. 46.

— — Pfr. Symb. III. p. 67.

Habitat in insula Jamaica.

250\*. *H. mutata* Gould. †

T. orbicularis, depressa, tenuis, cerina, infra rotundata; spirae anfr. 4 convexi, nitidi, juniores glabrati, majores supra crassi-striati, subangulati; sutura impressa; subtus glabra, sulcis radiantibus remotis radiatim divisa, umbilico modico perforata; apertura ampla, lunata, basi subangulata; labrum simplex. — Lat.  $\frac{3}{10}$ , alt.  $\frac{3}{20}$  poll. (G.)

*Helix mutata* Gould 1846. Exped. shells p. 49.

Habitat prope Rio Janeiro Brasiliae.

Obs. \*Haud dissimilis *H. alliariae*. Num forsan *H. insignis* Orb. ?

251. *H. radiella* Pfr.

T. umbilicata, depressa, sublenticularis, tenuis, utrinque confertim costulata, cornea, strigis crebris undatis, castaneis, ad peripheriam latioribus radiata; spira vix elevata; anfr.  $5\frac{1}{2}$  convexiusculi, ultimus subangulatus, basi planiusculus; umbilicus mediocris, pervius; apertura subverticalis, lata, lunaris; perist. simplex, tenue. — Diam. maj.  $4\frac{3}{4}$ , min.  $4\frac{1}{2}$ , alt.  $2\frac{1}{2}$  mill. (Coll. Nr. 433.)

*Helix radiella* Pfr. in Proc. Zool. Soc. 1845. p. 425.

*Helix radiella* Chemn. ed. II. Helix N. 564. t. 89. f. 12—15.

— . . . Fér. hist. t. 83. f. 3. 4.

Habitat in insula Opara (Cuming).

252. *H. costellata* Orbigny. †

T. orbiculato-convexa, umbilicata, tenuis, depressa, costata, fusca; spira obtusa; anfr. 5; apertura rotunda; labrum tenue, acutum. — Long. 3, alt. 2 mill. (O.)

*Helix costellata* (Helicella) Orb. synops. p. 5.

— — Orb. voy. p. 252. t. 26. f. 6—9.

— — var. a Desh. in Fér. hist. p. 19. exclus. fig.

Habitat Montevideo, republica Paraguyensi orientali (Orb.).

Obs. Haec species a Cl. Deshayes cum *H. epidermia* Ant. (Nr. 302.) jungitur; differre autem videtur spira elevata, apertura minore, etc.

252\*. *H. lyrata* Couthouy. †

T. minuta, depressa, rufo-cornea, umbilicata; spirae anfr. 4 cylindrici, striis elevatis, confertis lyrati; sutura subcanaliculata; apertura circularis; labrum simplex. — Lat.  $\frac{1}{5}$ , alt.  $\frac{1}{30}$  poll. (G.)

*Helix lyrata* Couth. mss. Gould 1846. Exped. shells p. 19.

Habitat in Terra Ignis.

Obs. \*Num forte *H. costellata* Orb.?

253. *H. pusilla* Lowe.

T. umbilicata, depressa, tenuis, rufescens, costulis distantibus, membranaceis superne instructa; spira vix elevata; sutura distincta, impressa; anfr.  $3\frac{1}{2}$  convexiusculi, ultimus non descendens, basi laevigatus; umbilicus angustus, pervius; apertura subcircularis, vix lunata; perist. simplex, tenue, acutum. — Diam. maj. 2, min.  $1\frac{3}{4}$ , alt. 4 mill. (Coll. Nr. 134. Spec. Loweana.)

*Helix pusilla* Lowe Faun. Mader. p. 46. t. 5. f. 17. (auct.)

— — Chemn. ed. II. Helix N. 565. t. 89. f. 29—31. ●

*Euryomphala pusilla* Beck ind. p. 9.

Habitat in insulae Maderæ sylvis.

\* \* \*

254. *H. Kochi* Pfr.

T. umbilicata, globoso-depressa, solidula, oblique distincte striata, albida, fasciis pluribus rufis ad peripheriam ornata; spira parum elevata, obtusiuscula; anfr. 6 convexi, sensim accrescentes, ultimus subcylindraceus; umbilicus magnus, pervius; apertura lunato-circularis, intus concolor, nitida; perist. simplex, acutum, marginibus conniventibus, dextro antrorsum arcuato, colum-



mellari dilatato, patente. — Diam. maj. 30, min. 26, alt. 16 mill. (Mus. Cuming.)

*Helix Kochi* Pfr. in Proc. Zool. Soc. 1845. p. 127.

Habitat . . . ?

### 255. *H. solitaria* Say.

T. late pervio-umbilicata, globoso-depressa, solidiuscula, diaphana, oblique confertim rugosa, lutescenti-cornea, brunneo 2—3 fasciata; anfr. 6 convexi; sutura profunda; apertura lunato-rotundata, intus nitide alba, fasciata; perist. simplex, acutum, margine columellari dilatato, subreflexo. — Diam. maj. 25, min. 22, alt. 15 mill. (Coll. Nr. 135.)

*Helix solitaria* Say in Philad. journ. II. p. 157.

— — *Binn.* in Bost. journ. III. p. 426. t. 23.

— — *Pfr.* Symb. II. p. 39.

— — *Chemn.* ed. II. *Helix* N. 145. f. 24. f. 5. 6.

*Euryomphala solitaria* Beck ind. p. 8.

Habitat in America boreali: Missouri, Ohio.

### 256. *H. alternata* Say.

T. late umbilicata, orbiculato-depressa, tenuis, luteo-cornea, strigis interruptis, rufis ornata, striis confertis elevatis scabra; anfr. 5½ planiusculi, ultimus interdum obtuse carinatus; umbilicus magnus, pervius; apertura perobliqua, lunato-ovalis; perist. simplex, acutum, ad umbilicum vix expansum. — Diam. maj. 24, min. 19, alt. 10 mill. (Coll. Nr. 136.)

*Helix alternata* Say in Philad. journ. II. p. 161.

— — *Say* in Nichols. Am. Enc. t. 1. f. 2.

— — (*Helicella*) *Fér.* pr. 199. Hist. t. 79. f. 8. 9.

— — *Binn.* in Bost. journ. III. p. 428. t. 25.

— — *Gould* report p. 177. f. 114.

— — *Chemn.* ed. II. *Helix* N. 146. t. 24. f. 17. 18.

— *scabra* Lam. 83. p. 88. ed. Dh. p. 66.

— *radiata* Gmel. 73. p. 3674?

*Patula alternata* Held in Isis 1837. p. 916.

*Euryomphala alternata* Beck ind. p. 8.

*Lister* t. 70. f. 69? (An potius *H. solitaria*?)

?? *Carinata*, junior? *Fér.* t. 79. f. 40.

Habitat in America boreali in ripis fluviorum Mississippi, Missouri et Ohio; Massachusetts (*Gould*).

### 257. *H. discoides* Lesson. †

T. discoidea, late umbilicata, fusco-rubra, fasciis albis minutissimis et regularibus ornata; anfr. angustissimi, ultimus

convexus; apertura ovalis, angusta; perist. subreflexum. — Diam. 12, alt. 5 lin. (L.)

*Helix discoides* Less. voy. de la Coq. p. 310.

Habitat in Nova Hibernia.

Obs. «*Affinis H. solitariae.*» (Less.) — Verosimiliter alio loco collocanda.

258. *H. papillata* Pfr.

T. umbilicata, depressa, subdiscoidea, solidiuscula, irregulariter striata, opaca, albida, spadiceo-nebulosa saturatiusque strigata et maculata; spira plana, apice papillatim prominente; anfr. 5 planiusculi, ultimus descendens, depresso-rotundatus; umbilicus angustus, pervius; apertura obliqua, lunato-subcircularis; perist. simplex, acutum, margine columellari vix dilatato. — Diam. maj. 23, min. 20½, alt. 44 mill. (Mus. Cuming.)

*Helix papillata* Pfr. in Proc. Zool. Soc. 1845. p. 129.

Habitat....?

Obs. Similis *H. Menkeanae* Nr. 412.

259. *H. sudensis* Pfr.

T. umbilicata, depressa, regulariter et confertim costulata, tenuis, diaphana, rubello-cornea; spira vix elevata; anfr. 6 convexi, ultimus non descendens; umbilicus majusculus, perspectivus; apertura rotundato-lunaris; perist. simplex, acutum, margine columellari vix dilatato, breviter patente. — Diam. maj. 13, min. 11½, alt. 7 mill. (Coll. Forbes.)

*Helix sudensis* Pfr. Symb. III. p. 67.

Habitat rarissima prope Suda Candiae. (Forb.)

260. *H. Frivaldskyana* Rossmüller. †

T. perspective umbilicata, lenticulari-depressa, arctispira, obtuse carinata, albido-straminea, subtiliter costulato-striata; anfr. 5 convexi; apertura oblique lunaris; perist. rectum, acutum, simplex. — Diam. maj. 9, min. 8, alt. 3½ mill. (Rm.)

*Helix Frivaldskyana* Rossm. XL p. 3. f. 694.

— *convexa* (Helicella) Fér. pr. 209. Hist. t. 82. f. 4! Nec Rafin.

Habitat in Rumelia (Friv.), prope Baruth (Olivier, Fér.)

261. *H. perspectiva* Say.

T. late et perspective umbilicata, orbicularis, superne vix convexiuscula, subtus excavata, tenuis, rufo-cornea, regulariter costulata; anfr. 6½ convexiusculi, lente accrescentes; apertura parva, lunato-subcircularis; perist. simplex, acutum, marginibus

distantibus. — Diam. maj. 8, min.  $7\frac{1}{2}$ , alt. vix 3 mill. (Coll. Nr. 137.)

*Helix perspectiva* Say in Philad. journ. I. 1817. p. 48.

— — (Helicella) Fér. pr. 498. Hist. t. 86. f. 4.

— — Lam. ed. Dh. 243. p. 430.

— — Binn. in Bost. journ. III. p. 430. t. 24. f. 4.

— — Chemn. ed. II. Helix N. 534. t. 85. f. 30—32.

— *patula* Desh. in Encycl. méth. II. N. 27.

*Euryomphala perspectiva* Beck ind. p. 9.

*Patula perspectiva* Held in Isis 1837. p. 916.

Habitat in America boreali, prope lacum Erie.

### 262. *H. striatella* Anthony.

T. umbilicata, orbiculato-convexiuscula, tenuissima, fusco-cornea, confertim costulata; anfr. 4 vix convexiusculi, ultimus basi inflatus, latiusculus; umbilicus majusculus, pervius; apertura subcircularis; perist. simplex, acutum, marginibus approximatis. — Diam. maj. 6, min.  $5\frac{1}{2}$ , alt. 3 mill. (Coll. Nr. 138.)

*Helix striatella* Anth. in Bost. journ. III. p. 278. t. 3. f. 2.

— — Binn. in Bost. journ. III. p. 432.

— — Gould report p. 478. f. 442.

— — Chemn. ed. II. Helix N. 535. t. 85. f. 36—38.

— *perspectiva* Fér. hist. t. 79. f. 7.

Habitat in America boreali: Ohio, Massachusetts, Vermont.

Obs. Differt ab *H. perspectiva* testa minore, convexiore, anfractibus magis inaequalibus, umbilico angustiore et apertura subcirculari. An nihilominus ejus varietas minor?

### 263. *H. Belcheri* Pfr.

T. late umbilicata, depressa, tenuis, diaphana, superne confertim costulato-striata, subtus sublaevigata, nitida, concolor corneo-cerea; spira vix convexa; anfr. 5 vix convexiusculi, ultimus basi subplanulatus; apertura obliqua, lunato-ovalis; perist. simplex, acutum. — Diam. maj.  $8\frac{1}{2}$ , min. 7, alt. 4 mill. (Mus. Cuming.)

*Helix Belcheri* Pfr. in Proc. Zool. Soc. 1845. p. 128.

Habitat . . . ? (Ex itinere Belcheri.)

### 263\*. *H. gradata* Gould. †

T. parva, planorboidea, tenuis, nitida, rufo-viridis, luteo radiatim variegata, supra depressa, infra acetabuliformis; spirae anfr. 5 convexi, intra umbilicum angulati, oblique et confertim striati, striis interruptis volventibus decussati, ultimus subangulatus, versus aperturam deflexus; sutura canaliculata; apertura

obliqua, subcircularis; labrum acutum, ad umbilicum reflexum.  
— Lat.  $\frac{1}{2}$ , alt.  $\frac{1}{2}$  poll. (?) — (G.)

*Helix gradata* Gould 1846. Exped. shells p. 21.

Habitat in insula Tongataboo.

Obs. 1. «Forma et magnitudo *Helicis striatellae* Anth.»

Obs. 2. Nomine *H. gradatae* etiam 1846 aliam speciem descripsi; nescio  
cujus sit prioritas? Conf. N. 60. pag. 88.

#### 264. *H. ruderata* Studer.

T. perspective umbilicata, depressa, lutescenti-cornea, concolor, subtilissime costulato-striata; spira convexa; anfr. 5 convexi, ultimus basi rotundatus; apertura perobliqua, lunato-ovalis; perist. simplex, acutum, marginibus conniventibus. — Diam. maj. 8, min. 7, alt. 4 mill. (Coll. Nr. 439.)

*Helix ruderata* Stud. Verz. p. 12.

— — (*Helicella*) *Fér.* pr. 197. Hist. t. 79. f. 6.

— — *C. Pfr.* III. p. 30. t. 4. f. 26.

— — *Kryn.* in Bull. Mosc. IX. p. 211.

— — *Hartm.* in Neue Alpina p. 231. t. 2. f. 11.

— — *Rossm.* VII. p. 13. f. 455.

— — *Chemn.* ed. II. *Helix* N. 152. t. 24. f. 11—13.

— *rotundata*  $\beta$  Nilss. p. 31.

— *umbilicus* *Marklin.*

*Discus ruderatus* *Fitzing.* syst. Verz. p. 99.

*Euryomphala ruderata* *Beck* ind. p. 9.

*Patula ruderata* *Held* in Isis 1837. p. 916.

Habitat in Styria, Salisburgia («Öfen der Salzach» prope Golling!), Nassovia, Saxonia (*Rossm.*), Silesia (*Scholtz*), Helvetia, Suecia, Finnia, Rossia (Charkow: *Kryn.*).

#### 265. *H. Erdelii* Roth. †

T. late umbilicata, depressa, eleganter costulata, pellucens, lutescenti-cornea, subtus pallidior; anfr. 5 rotundati; apertura transverse lunato-ovalis; perist. rectum, simplex, flexuosum. — Diam.  $3\frac{2}{3}$ , alt.  $2\frac{1}{2}$  lin. (R.)

*Helix Erdelii* *Roth* diss. p. 16. t. 1. f. 4. 5. 20.

Habitat in insula Rhodo.

Obs. «Differt ab *H. ruderata* magnitudine, umbilico angustiore, apertura depressiore». (Roth.)

#### 266. *H. rotundata* Möller.

T. perspective umbilicata, depressa, arctispira, corneo-lutescens, rufo-maculata, subtiliter costulato-striata; spira convexa; anfr.  $6\frac{1}{2}$  planulati, ultimus angulatus; apertura depressa, lunaris;

perist. rectum, simplex, acutum. — Diam. maj. 8, min.  $7\frac{1}{2}$ , alt. 3 mill. (Coll. Nr. 140.)

*Helix rotundata* Müll. verm. II. p. 29. N. 234.

— — *Drap.* p. 114. t. 8. f. 4—7.

— — (*Helicella*) *Fér.* pr. 196. Hist. t. 79. f. 2.

— — *Lam.* 101. p. 92. ed. Dh. p. 74.

— — *C. Pfr.* I. p. 44. t. 2. f. 33. 34.

— — *Kryn.* in Bull. Mosc. IX. p. 210.

— — *Rossm.* VII. p. 13. f. 454.

— — *Morelet* moll. du Port. p. 55.

— — *Chemn.* ed. II. *Helix* N. 153. t. 24. f. 14—16.

— *radiata* *Da Costa* p. 57. t. 4. f. 15. 16.

— — *Mont.* test. britt. p. 432. t. 24. f. 3.

— — *Turt. Man.* p. 59. f. 44.

— — *Wood* ind. t. 32. f. 11.

*Zonites radiatus* *Leach* moll. p. 102.

— *rotundatus* *Gray* Man. p. 165. t. 5. f. 44.

*Discus rotundatus* *Füzüng.* syst. Verz. p. 99.

*Euryomphala rotundata* *Beck* ind. p. 9.

*Patula rotundata* *Held* in *Isis* 1837. p. 916.

β. *Spira depressissima*:

*Helix albella* *Linn.\**) syst. nat. ed. X. p. 768. (teste Nilss. spec. juu.)

*Helix Turtoni* *Fleming* brit. anim. p. 260.

γ. *Albina*: *Fér.* t. 79. f. 3.

δ. *Scalaris*: *Fér.* t. 79. f. 4.

Habitat vulgatissima in Germania, Gallia, Britannia, Suecia, Volhynia etc.

#### 267. *Hel. humilis* Hutton. †

T. parvula, convexo-depressa, cornea, late et profunde umbilicata; anfr. 5 rotundati, ultimus subangulatus, penultimus aperturam circularem vix interrumpens; perist. acutum. — Diam. 0, 125 poll. (Benson.)

*Helix humilis* *Hutt.* in Journ. As. Soc. VII. P. 4. p. 217.

Habitat in Himalaya, prope Simla.

#### 268. *Hel. arcotispira* Pfr.

T. umbilicata, depressa, subdiscoidea, confertim costata, albidula, epidermide tenui fuscesciente induta; spira convexuscula; anfr.  $5\frac{1}{2}$  convexi, angustissimi; umbilicus latus, perspectivus:

\*) T. supra convexo-plana, subtus convexa, perforata; anfractu acuto. apertura semicordata. (Linn. It. Oel. et Gothl. p. 63.) — Haec descriptio *H. albella* *Drap.* potius convenit, quae autem in regionibus Europae borealis non reperitur.

apertura parvula, subverticalis, lunato-subcircularis; perist. simplex, acutum. — Diam. maj.  $2\frac{1}{2}$ , min.  $2\frac{1}{4}$ , alt.  $4\frac{1}{4}$  mill. (Mus. Cuming.)

*Helix archispira* Pfr. in Proc. Zool. Soc. 1846. p. 41.

Habitat in insula Juan Fernandez, una cum *H. tessellata*.

Obs. Characteribus intermedia inter *H. costellatam* et *tessellatam*, ab utraque spira convexiuscula etc. valde diversa.

269. *H. tenuicostata* Shuttleworth.

T. umbilicata, depressa, tenuis, tenuiter costulata, cornea; spira convexiuscula, obtusa; anfr. 4 convexiusculi, ultimus antice non descendens, basi sublaevigatus; umbilicus latiusculus, perspectivus; apertura subobliqua, lunato-circularis; perist. simplex, acutum, margine columellari vix dilatato. — Diam. maj.  $2\frac{1}{2}$ , min.  $2\frac{1}{4}$ , alt.  $4\frac{1}{4}$  mill. (Mus. Cuming.)

*Helix tenuicostata* Shuttle. in sched. Cuming.

— — Pfr. Symb. III. p. 68.

Habitat in Sardinia.

Obs. Nescio, an haec species ab auctore rite descripta sit? In hoc casu *H. tenuicostata* Dkr. (Nr. 880.) alio nomine designanda erit, in contrario species Shuttleworthiana.

§. 21.

270. *H. euryomphala* Pfr.

T. umbilicata, orbiculato-convexa, tenuis, pellucida, virenti-cornea, superne regulariter costulato-striata, lineis concentricis obsolete decussata, basi distantius striata, nitidissima; spira parum elevata, obtusa; anfr. 6 convexiusculi, ultimus dilatatus, subdepressus, antice non descendens; umbilicus magnus, pervius; apertura oblique lunato-ovalis, intus margaritacea; perist. rectum, simplex, marginibus conniventibus. — Diam. maj. 37, min. 32, alt. 47 mill. (Mus. Cuming.)

*Helix euryomphala* Pfr. in Proc. Zool. Soc. 1845. p. 74.

Habitat in insula Gabe.

271. *H. Walkeri* (Zonites) Gray. †

T. depressa, umbilicata, polita, flavo-brunnea; anfr.  $3\frac{1}{2}$  citissime majores, ventricosi, tenuiter concentricè striati, dorso striis densis spiralibus; umbilicus profundus; apertura magna; faux albida. — Diam. 4 unc., axis 8 lin. (Gr.)

*Zonites Walkeri* Gray in Proc. Zool. Soc. 1834. p. 63.

— — Müll. synops. p. 43.

*Mesomphala Walkeri* Beck ind. p. 7.

Habitat in Nova Hollandia.

272. *H. fuscata* Ziegler.

*T. anguste umbilicata*, subdepressa, corneo-lutescens, supra subtilissime decussato-plicatula, subtus laevis, nitidissima, pallida; anfr.  $5\frac{1}{2}$ , angusti, ultimus magnus; apertura rotundato-lunata; perist. rectum, simplex, acutum. — Diam. maj. 17, min. 15, alt.  $9\frac{1}{2}$  mill. (Coll. Nr. 444.)

*Helix fuscata* Zgl. Mus. Rossm. VIII. p. 35. f. 523.

— — Chemn. ed. II. *Helix* N. 521. t. 84. f. 6. 7.

— *cespitem* var. *Cantr.* Malac. p. 120.

β. Strius concentricis minutioribus: diam. 11 lin.

*Helix Calcarae* Arad. et Magg. catal. p. 85.

— — Phil. Sicil. II. p. 218. (Conf. Zeitschr. f. Mal. 1844. p. 105.)

Habitat in Italia, Sicilia, Corsica.

273. *H. obscurata* Porro. †

*T. aperte umbilicata*, depresso-planiuscula, carina (?) depresso-ovata, nitida, duriuscula, corneo-brunnea, substriata; apertura ovato-depressa, oblique lunata; perist. simplex, acutum, repandum; anfr. 6. — Alt. 4 — 6, lat. 44 — 47 mill. (Villa.)

*Helix obscurata* Porro ined. Villa disp. syst. p. 56.

Habitat in insulis Corsicae et Sardiniae sicuti prope Genua.

Obs. «*H. cellariae* Mull. affinis, sed major magisque umbilicata et duriuscula». (Villa.) — An praecedentis var.?

274. *H. Gilberti* Pfr.

*T. umbilicata*, depressa, distincte striata, minutissime granulata, tenuis, pallide cornea, linea rufa ad suturam ornata; anfr.  $4\frac{1}{2}$ , convexiusculi, ultimus basi convexus; umbilicus medioeris, pervius; apertura rotundato-lunaris; perist. simplex, rectum, margine columellari parum dilatato, reflexo. — Diam. maj. 16, min. 14, alt. 9 mill. (Mus. Cuming.)

*Helix Gilberti* Pfr. in Proc. Zool. Soc. 1845. p. 127.

Habitat in Australia occidentali: Darting Downs (Gilbert).

275. *H. dicrama* Pfr.

*T. umbilicata*, depressa, tenuis, pellucida, hyalina, lineis concentricis et spiralibus confertis subtilissime decussata; sutura impressa; anfr.  $4\frac{1}{2}$ , planiusculi, rapide acuminati; ultimus basi angulatus; umbilicus latus, subinfundibuliformis; apertura subrotundata; perist. simplex, subcontiguus, dextro antroorsum arcuato.

cuato-dilatato. — Diam. maj. 12, min. 10, alt. 5 mill. (Coll. com. de Seckendorff.)

*Helix dierama* Pfr. Symb. III. p. 67.

— — *Chemn.* ed. II. *Helix* N. 447. t. 24. f. 49—24.

Habitat . . . ?

276. *H. chilensis* Mählboldt.

T. umbilicata, globoso-depressa, tenuis, pellucida, fusco-cornea, sub lente rugosa et minutissime granulata; anfr. 4 convexi; umbilicus mediocris, pervius; apertura subcircularis; perist. simplex, acutum, marginibus approximatis. — Diam. maj.  $4\frac{1}{2}$ , min. 4, alt.  $2\frac{1}{2}$  mill. (Coll. Nr. 442.)

*Helix chiliensis* Mf. in Ant. Verz. p. 36.

— — Pfr. Symb. III. p. 67.

— — *Chemn.* ed. II. *Helix* N. 529. t. 85. f. 46—49.

Habitat in Chile.

§. 22.

277. *H. Busbyi* Gray.

T. late umbilicata, depressa, subdiscoidea, opaca, alba, epidermide crassa, glabra, nitida, saturate viridi, peristoma superante, induta; spira plana, subrugosa; anfr.  $4\frac{1}{2}$  convexiusculi, ultimus glaber, antice deflexus, depressus; umbilicus latus, perspectivus; apertura oblique lunato-ovalis, intus coerulescens; perist. simplex, undique inflexum. — Diam. maj. 66, min. 53, alt. 29 mill. (Mus. Brit.)

*Helix Busbyi* Gray in Ann. of nat. hist. VI. p. 347.

— — Reeve Conch. syst. II. t. 164. f. 44.

Habitat in Nova Seelandia (Dieffenbach).

\* \* \*

278. *H. omalomorpha* Orbigny.

T. orbiculata, convexa, umbilicata, sublaevigata, diaphana, fulvo-brunnea; spira obtusa; anfr. 7; apertura rotunda; labrum tenue. (O.) — Diam. maj. 25, min. 23, alt. 9 mill. ex ic. (Coll. Nr. 443?)

*Helix omalomorpha* (Helicella) Orb. synopsis. p. 5.

— — Orb. voy. p. 249. t. 27. f. 4—3.

— . . . . *Fér.* hist. t. 69 C. f. 4.

Habitat in provincia Valle grande Boliviae.

279. *H. vitrina* Wagner.

T. late umbilicata, depressa, subdiscoidea, striatula, nitidissima, pellucida, corneo-lutescens; spira plana, subexcavata; anfr. 4



convexiusculi, rapide accrescentes, ultimus latus, depressus, peripheria rotundatus, antice non descendens; apertura lunato-rotundata; perist. simplex, acutum, margine supero antrorsum arcuato, columellari non reflexo. — Diam. maj.  $15\frac{1}{2}$ , min. 13. alt.  $5\frac{1}{2}$  mill. (Coll. Nr. 144.)

*Helix vitrina* Wagner in Spix p. 25.

— — Chemn. ed. II. *Helix* N. 516. t. 84. f. 14—16.

— *circumplexa* Fér. hist. p. 19. t. 84. f. 5. 6.

— *vulvaeformis* Nyst in sched.

*Solarium imperforatum* Spix test. bras. t. 17. f. 6.

*Helicella imperforata* Beck ind. p. 7.

β. Junior: H. nana Wagn. l. c. — *Solarium pygmaeum* Spix t. 17. f. 7.

Habitat in Brasilia australi.

### 280. *H. ammoniformis* Orbigny.

T. late umbilicata, orbiculato-concava, depressa, tenuis, diaphana, albido-grisea, sublaevigata; spira subimpressa; anfr. 5 depressi, ultimus perdilatatus; apertura oblique lunato-ovalis; perist. simplex, acutum, marginibus conniventibus, supero antrorsum curvato. — Diam. maj. 14, min. 12, alt. 4 mill. (Mus. Cuming.)

*Helix ammoniformis* (Helicella) Orb. synops. p. 5.

— — Orb. voy. p. 248. t. 26. f. 10—13.

— — Desh. in Fér. hist. p. 9. t. 69 F. f. 1.

Habitat in provincia Yungasensi Boliviae.

Obs. Differt ab *H. vitrina* umbilico multo latiore, etc.

### 281. *H. aulacospira* Pfr.

T. late umbilicata, depressa, discoidea, tenuis, irregulariter et leviter malleata, lineis impressis, concentricis, confertis regulariter sulcata, lutescenti-cornea; spira plana; anfr.  $4\frac{1}{2}$  depressi, celeriter accrescentes, ultimus non descendens; umbilicus latus, perspectivus; apertura subverticalis, oblique lunato-ovalis; perist. simplex, tenue, margine columellari non reflexo. — Diam. maj. 12, min. 10, alt.  $4\frac{1}{2}$  mill. (Mus. Cuming.)

*Helix aulacospira* Pfr. in Proc. Zool. Soc. 1846. p. 37.

Habitat...?

### 282. *H. concolor* Ferrussac.

T. umbilicata, discoidea, laevigata, substriata, fulva, castaneo alternatim strigata; spira plana; sutura linearis; anfr. 4 celeriter accrescentes, ultimus major, superne depressus, basi convexus; apertura lunato-subcircularis; perist. simplex, acutum, marginibus subapproximatis. — Diam. maj. 14, min. 12, alt. 6 mill.

(Coll. Nr. 445.) — Diam. maj. 49, min. 46½, alt. 8¼ mill. (ex ic. Deless.)

*Helix concolor* (Helicella) Fér. pr. 208. Hist. t. 82. f. 2.

— — Lam. 74. p. 86. ed. Dh. p. 63.

— — Deless. recueil t. 26. f. 4.

— — Chemn. ed. II. Helix N. 525. t. 85. f. 4—6.

Habitat in insula Portorico.

282. *H. sportella* Gould. †

T. planulata, fragilis, nitida, luteo-cornea, subtus concava, late umbilicata, lineis incrementi conspicuis et lineis volventibus subtilissimis confertim decussata; anfr. 5, ultimus magnus; sutura profunda; apertura rotundata, infra subangulata; labrum acutum, simplex. — Lat. ½, alt. 1¼ poll. (G.)

*Helix sportella* Gould 1846. Exped. shells p. 48.

Habitat ad Puget Sound, Oregon.

Obs. « Similis *H. concavae*, umbilico angustiore, apertura majore et sculptura diversa. »

283. *H. orbicula* Orbigny.

T. late umbilicata, subdiscoidea, subtiliter striatula, nitida, diaphana, griseo-flavicans; spira vix elevata, obtusissima; anfr. 7—8 convexiusculi, ultimus basi vix latior, non descendens; umbilicus latissimus, tertiam anfractuum latitudinis partem monstrans; apertura vix obliqua, rotundato-lunaris; perist. tenue, acutum. — Diam. maj. 44½, min. 40, alt. 4 mill. (Coll. Nr. 446.)

*Helix orbicula* (Helicella) Orb. synops. p. 6.

— — Orb. voy. p. 250. t. 27. f. 16—19.

— — Chemn. ed. II. Helix N. 515. t. 83. f. 32—34.

Habitat in republica Boliviana.

284. *H. complanata* Deshayes. †

T. discoidea, depressa, tenuis, diaphana, fuscescens, superne plana, subtus umbilico lato excavata; anfr. convexiusculi, longitudinaliter striati, striis ad peripheriam evanescentibus; apertura rotundato-semilunaris; labrum simplex, tenuissimum. — Diam. 43, alt. 5 mill. (Dh.)

*Helix complanata* Desh. in Fér. hist. p. 9. t. 69 B. f. 2.

Habitat . . . ?

285. *H. ocellaria* Müller.

T. aperte umbilicata, depressa, planiuscula, nitida, subpelliculata, striatula, pallide virenti-cornea, subtus albida; anfr. 6 planulati, ultimus depressus; apertura vix obliqua, depressa, oblique lunaris; perist. simplex, acutum, margine columellari non

reflexo. — Diam. maj. 43, min.  $41\frac{1}{2}$ , alt. 5 —  $5\frac{1}{2}$  mill. (Coll. Nr. 147.)

*Helix cellaria* Müll. verm. II. p. 28. N. 230.

— — *Lam.* 96. p. 94. ed. Dh. p. 74.

— — *C. Pfr.* I. p. 42. t. 2. f. 29. 30.

— — *Rossm.* I. p. 70. f. 22. VIII. p. 36. f. 527.

— — *Kryn.* in Bull. Mosc. IX. p. 203.

— — *Binn.* in Bost. journ. III. t. 26. f. 2.

— — *Gould* report p. 480. f. 404.

— — *Morelet* moll. du Port. p. 54.

— — *Chemn.* ed. II. *Helix* N. 547. t. 84. f. 8 — 10.

— *lucida* Pult. Mont. test. brit. p. 425. t. 23. f. 4.

— *nitida* Drap. p. 117. t. 8. f. 23 — 25.

— *nitens* Mat. et Rack. Linn. transact. VIII. 498. t. 5. f. 7.

— — *v. Allen* p. 58. t. 5. f. 40.

— *tenella* Gmel. 478?

*Oxychilus Cellaria* Fitzing. syst. Verz. p. 400.

*Helicella cellaria et Draparnaldi* Beck ind. p. 6.

*Polita cellaria* Held in Isis 1837. p. 946.

*Zonites cellarius* Gray Man. p. 170. t. 4. f. 40.

Habitat frequens in Europae mediae terris.

Obs. 4. Cl. Gould *H. glaphyram* Say eandem esse affirmat. (Conf. Nr. 420.)

Obs. 2. An huc referenda *H. Blauneri* Shuttl.? (Conf. Mittheil. d. nat. Ges. in Bern 1843. p. 43.)

### 286. *H. cayennensis* Pfr.

T. umbilicata, discoidea, striatula, nitida, corneo-lutescens; spira subplanulata; anfr. 5 vix convexiusculi, ultimus vix dilatatus, non descendens; umbilicus magnus, pervius; apertura lunato-circularis; perist. simplex, acutum. — Diam. maj. 44, min.  $9\frac{1}{2}$ , alt.  $4\frac{1}{2}$  mill. (Coll. Nr. 148.)

*Helix cayennensis* Pfr. Symb. II. p. 24.

— — *Chemn.* ed. II. *Helix* N. 548. t. 84. f. 11 — 13.

Habitat in Cayenne (Petit de la Saussaie).

Obs. Superne *H. cellariae* similis, umbilico magno etc. distincta. Ab *H. concolore* differt colore et anfractuum lente crescentium numero.

### 287. *H. subplana* Binney. †

T. subdiscoidea, fuliginosa aut corneo-rufescens, nitens; spira depressa; anfr. 5 — 6; apertura semilunaris, transversa; labrum simplex, acutum; basis plana; umbilicus parvus. — Diam. vix  $\frac{3}{4}$  poll. (Binn.)

*Helix subplana* Binn. in Bost. journ. IV. p. 244.

Habitat in America boreali: Tennessee.

Obs. An eadem species ac Nr. 420, nomine *H. glaphyrae* descripta?

288. *H. splendidula* Pfr.

T. late umbilicata, depressissima, pallide olivaceo-cornea, nitida, striatula, lineis concentricis magis minusve distinctis obsolete reticulata; spira plana; sutura profunda; anfr.  $3\frac{1}{2}$  subplanulati, celeriter accrescentes, ultimus latus, antice non descendens; umbilicus latus, perspectivus; apertura obliqua, lunato-ovalis; perist. simplex, acutum, marginibus conniventibus, dextro oblique descendente, antrorsum subarcuato. — Diam maj.  $8\frac{1}{2}$ , min. 7, alt.  $3\frac{1}{2}$  mill. (Coll. Nr. 449.)

*Helix splendidula* Pfr. in Proc. Zool. Soc. 1845. p. 128.

— — Chemn. ed. II. Helix N. 524. t. 85. f. 4—3.

— .... Gray New Zeal. ined. t. 1. f. 14.

Habitat in Australia orientali, prope Torres-Strait.

Obs. Similis *H. nitenti*; differt umbilico latiore, apertura minore, transversim minus dilatata, etc. — Variat spira subelevata, striis concentricis distinctionibus.

289. *H. trochilionoides* Orbigny.

T. umbilicata, orbiculato-convexiuscula, tenuiter striatula, lucida, diaphana, albida; spira vix elevata; anfr. 6 planiusculi, ultimus teres; umbilicus mediocris; apertura subverticalis, lunato-subcircularis; perist. rectum, acutum, marginibus conniventibus. — Diam. maj.  $4\frac{1}{2}$ , min. 4, alt.  $4\frac{1}{2}$  mill. (Coll. Nr. 450.)

*Helix trochilionoides* (Helicella) Orb. synops. p. 6.

— — Orb. voy. p. 254. t. 27. f. 42—45.

— — Chemn. ed. II. Helix N. 532. t. 85. f. 27—29.

— .... Fér. hist. t. 69 C. f. 7. 8?

Habitat in provincia Lagunensi Boliviae et prope Lima Peruviae.

290. *H. limatula* Ward. †

T. parva, orbiculato-depressa, umbilicata, tenuis, albida; anfr. 4 convexi, oblique et minutissime striati; apertura subcircularis, tenuis, acuta. — Diam.  $\frac{1}{8}$ ". (Binn.)

*Helix limatula* Ward mss. Binn. in Bost. journ. III. p. 434. t. 24. f. 2.

Habitat in America boreali: Ohio et Indiana.

291. *H. coma* (Zonites) Gray.

T. late umbilicata, depressa, pallide fusca; spira planulata; anfr. 5 convexi, oblique et confertim acute elevato-lineati, fuscostriati; umbilicus conicus, perspectivus; apertura perobliqua, rotundato-lunaris; perist. simplex, tenue. — Diam. maj.  $5\frac{1}{2}$ , min. 5, alt.  $2\frac{1}{2}$  mill. (Mus. Britt.)

*Zonites coma* Gray in Dieffenb. trav. I. p. 263.

Habitat in Nova Seelandia.

292. *H. circumlineata* Küster.

T. umbilicata, depressa, subdiscoidea, tenera, hyalina. superne lineis confertis, spiralibus sculpta; sutura impressa, marginata; anfr. 5 angusti, vix convexiusculi; umbilicus latus, perspectivus; apertura verticalis, late lunaris; perist. simplex. acutum, margine supero antrorsum arcuato, columellari brevi, subsinuato, non dilatato. — Diam. maj.  $5\frac{1}{2}$ , min. 5, alt. 2 mill. (Coll. Nr. 454.)

*Helix circumlineata* Küst. mss. *Pfr.* Symb. III. p. 68.

— — *Chemn.* ed. II. *Helix* N. 449. t. 24. f. 22—25

Habitat prope Budua Dalmatiae, ubi legit Cl. Küster.

293. *H. cyclostomoides* Pfr.

T. late umbilicata, superne vix convexa, subtus concava. laevigata, hyalina; anfr. 4 convexiusculi, rapide accrescentes, ultimus depressus, obsolete angulatus; apertura subcircularis; perist. simplex, acutum. — Diam. maj. 4, min.  $3\frac{1}{3}$ , alt. 2 mill. (Coll. Nr. 452. Spec. max.)

*Helix cyclostomoides* Pfr. in Wieg. Arch. 1840. I. p. 254.

— — *Chemn.* ed. II. *Helix* N. 534. t. 85. f. 24—26

Habitat in insula Cuba rarissima. (Testas modo inanes in arena littorali prope Matanzas legi.)

294. *H. minuscula* Binney.

T. umbilicata, depressa, tenuis, pellucida, hyalina, nitida, sub lente ruguloso-striata; spira vix elevata; anfr. 4 planiusculi, ultimus teres, vix latior; umbilicus latus, pervius; apertura subcircularis; perist. simplex, acutum. — Diam. maj.  $2\frac{1}{2}$ , min.  $2\frac{1}{4}$ , alt. 4 mill. (Coll. Nr. 453.)

*Helix minuscula* Binn. in Bost. journ. III. p. 435. t. 22. f. 4.

— — *Pfr.* Symb. II. p. 33.

— — *Chemn.* ed. II. *Helix* N. 530. t. 85. f. 20—23.

— *minutissima* Lea? (conf. Nr. 242.)

Habitat in America boreali: Vermont, Ohio.

Obs. Forma similis *H. perspectivae*, magnitudine et habitu similior *H. lineatae* Say.

295. *H. minuta* Villa. †

T. minima, umbilicata, suborbiculata, depressiuscula, glabra, pellucida, nitida; apertura anguste lunata; perist. simplex, acutum. — Diam. 4, alt.  $\frac{1}{2}$  mill. (V.)

*Helix minuta* Villa dispos. syst. p. 55.

— — *Arad. et Magg.* cat. p. 87.

Habitat in Etruria (»legitur in arena conchyliaea Ariminensi una

cum *H. pygmaea* et *Polyph. acicula*: *Villa*), rara in littore Cataniensi (Arad.).

296. *H. Binneyana* Pfr.

T. late umbilicata, depressa, subdiscoidea, corneo-lutescens. strigis undatis castaneis, basi obsoletis marmorata, irregulariter plicatula, lineis impressis confertissimis superne distincte, subtus obsoletis decussata; spira plana; anfr. 5 convexi, ultimus teres, vix descendens; umbilicus late conicus; apertura perobliqua, semiovalis; perist. simplex, margine dextro valde antrorsum arcuato, subinflexo, columellari recedente. — Diam. maj. 45, min. 43, alt. 6 mill. (Coll. Nr. 454.)

*Helix Binneyana* Pfr. in Zeitschr. f. Mal. 1847. p. 43.

— — Chemn. ed. II. *Helix* N. 693. t. 444. f. 40—42.

Habitat in insula Chiloe (E. B. Philippi).

297. *H. dissimilis* Orbigny.

T. umbilicata, depressa, tenuis, superne confertim plicatula, pallide corneo-straminea, superne maculis et flammis irregularibus, basi punctis lineisque rufis ornata; spira plana; sutura profunda; anfr. 5½ convexi; umbilicus magnus, pervius; apertura vix obliqua, rotundato-lunaris; perist. simplex, acutum. — Diam. maj. 44, min. 9½, alt. 5½ mill. (Coll. Nr. 455.)

*Helix dissimilis* Orb. synops. p. 5.

— — Orb. voy. p. 247. t. 26. f. 48—24. \*)

— — Desh. in Fér. hist. p. 48. t. 69 C. f. 9. 40. \*\*)

— — Chemn. ed. II. *Helix* N. 558. t. 89. f. 4—3.

— *histrion* Mühlf. Mus. in Anton Verz. p. 38.

— — Pfr. Symb. II. p. 30.

*Euryomphala plagiata* Beck ind. p. 8. (teste Anton in litt.)

Habitat prope Concepcion Chilensium (Orb.), in insula Ohetaroa (Cuming).

Obs. Conf. *H. coactiliata* Fér. (Nr. 522) et affines.

\*) T. orbiculata, perforata, depressa, tenui, diaphana, striata, fusco-pallidior, rubro-maculato ornata; spira plana; anfr. 5; apertura rotunda; labri tenui, acuto. — Long. 9, alt. 5 mill. (Orb. l. c.)

\*\*) T. late umbilicata, orbiculato-discoidea, supra plana, subtus convexiuscula, corneo-salva, translucida, rubro superne articulatum fasciata; anfr. 6 convexiusculis, angustis, superne striis longitudinalibus tenuibus transversalibusque exilissimis decussatis; apertura suborbiculari, marginibus acutis, tenuissimis. — Diam. 42, alt. 6 mill. (Dh. l. c.)

298. *H. quadrata* Férussac.

T. umbilicata, depressa, sub lente confertissime striata, tenuis, diaphana, straminea, rufo-flammulata et 4—3fasciata; spira depressa; anfr.  $5\frac{1}{2}$ , convexiusculi, celeriter accrescentes; umbilicus majusculus, perspectivus; apertura lunato-ovalis; perist. simplex, acutum, marginibus conniventibus, columellari subdilatato, patente. — Diam. maj. 7, min. 6, alt. 3 mill. (Mus. Cuming. spec. max. et Coll. Nr. 156.)

*Helix quadrata* Fér. Mus.

— — Desh. in Fér. hist. p. 20. t. 69 C. f. 11. 12. \*)

— — Chemn. ed. II. Helix N. 559. t. 89. f. 4—7.

— Kingi Pfr. in Proc. Zool. Soc. 1845. p. 125.

β. Testa flava, transversim obscure fusco-rubescens zonata. (Dh.)

Habitat in insula Juan Fernandez (Cuming).

299. *H. pusio* King. †

T. rotundato-complanata, creberrime striata, translucens, maculis castaneo-rufis ornata. — Long.  $\frac{1}{10}$ , lat.  $\frac{3}{10}$  poll. (K.)

*Helix pusio* King in Zool. Journ. V. (1832.) p. 339.

Habitat in insula Juan Fernandez.

Obs Speciem male descriptam in collectionibus Londinensibus eruere non potui. An eadem ac praecedens?

300. *H. hystrix* Mighels.

T. umbilicata, depressa, subdiscoidea, regulariter costulata, corneo-lutea, pilis rectis, rigidis, deciduis hirsuta, superne rufo-tessellata; spira plana, medio subimmersa; anfr. 5 convexi, ultimus descendens, basi lineis elevatis, interdum obsoletioribus decussatus; umbilicus latus, perspectivus; apertura lunato-subcircularis; perist. simplex, acutum. — Diam. maj.  $5\frac{3}{4}$ , min. 5, alt.  $2\frac{1}{2}$  mill. (Coll. Nr. 157.)

*Helix hystrix* Mighels in sched.

— — Pfr. Symb. III. p. 67.

— — Chemn. ed. II. Helix N. 560. t. 89. f. 8—11.

— *setigera* Gould in sched.

Habitat in insulis Sandwichensibus: Wahoo.

300\*. *H. ziczac* Gould. †

T. parva, rotundata, depressa, stramineo-albida, lineolis obliquis fulminantibus fuscis picta, et laminis acutis confertis re-

\*) T. orbiculato-discoidea, late umbilicata, fulvo-fusca, rubescens quadrata, densissime tenuissimeque striata; anfract. 5 convexi, sutura profunda separatis; apertura obliqua, simplici, subdilatata, rotundato-semilunari; labro simplici, acuto. — Diam. 8, alt. 4 mill. (Dh. l. c.)

flexis pilosis lyrata, subtus convexa, umbilico magno scalariformi perforata; anfr. 6 convexi, angusti; apertura subcircularis, ad basim subangulata; labrum simplex, prope umbilicum reflexum. — Lat.  $\frac{3}{16}$ , alt.  $\frac{1}{8}$  poll. (G.)

*Helix ziczac* Gould 1846. Exped. shells p. 47.

Habitat in Nova Hollandia (New South Wales).

• 301. *H. tessellata* Mühlfeldt.

T. umbilicata, discoidea, utrinque plana, tenuis, pallide cornea, strigis angustis, undatis, rufis picta; anfr. 6 — 7 angustissimi, ultimus subtus subinflatus; umbilicus mediocris, pervius; apertura lunato-rotundata; perist. simplex. — Diam. 4, alt. 2 mill. (Coll. Nr. 458.)

*Helix tessellata* Mf. Mus. Ant. Verz. p. 36.

— — Pfr. Symb. II. p. 40.

— — Chemn. ed. II. Helix N. 562. t. 89. f. 16 — 19.

— .... Fér. hist. t. 86. f. 4.

Habitat in insula Juan Fernandez (Cuming).

302. *H. epidermia* Anton.

T. late et profunde umbilicata, discoidea, epidermide brunea induta, utrinque costulata; spira plana; anfr. 4 sensim accrescentes, convexiusculi; apertura subverticalis, subcircularis; perist. acutum, simplex, marginibus approximatis. — Diam. maj. 5, min.  $4\frac{1}{2}$ , alt.  $4\frac{3}{4}$  mill. (Coll. Nr. 459.)

*Helix epidermia* Anton Verz. p. 36. N. 4358.

— — Chemn. ed. II. Helix N. 563. t. 89. f. 20 — 23.

— *costellata* Desh. in Fér. hist. p. 49. t. 83. f. 1. 2 \*) Nec Orb. Habitat prope Valparaiso Chilensium (Cuming).

Obs. Conf. *H. costellata* Orb. Nr. 252.

§. 23.

303. *H. declivis* Pfr. †

T. orbiculata, depresso-conoidea, subtus convexo-depressa, pallida; spira conica, depressa; anfr. 6 rufescentes, depresso-planiusculi, declives, rugis armatis, crebris, tenuibus, in junioribus regularibus, in adultis multidistantibus majoribus sculpti, infimus ad peripheriam acute carinatus, carina fusco-fasciata aut albidia, inferne fascia fusca cincta; umbilicus profundus, angustus,

\*) T. discoidea, supra plana, subtus late umbilicata, fulva, longitudinaliter et oblique costellata: costellis distantibus submembranaceis elatis; anfr. 5 convexis in interstitiis costellarum tenue striatis; apertura simplici, semilunari, obliqua; labro acuto. — Diam. 5, alt. vix 2 mill (Dh. I. c.)



extus dilatatus; apertura ovata, antice angulata, margine obtusiuscula. — Diam. 44, alt. 23 mill. (Guill.)

*Carocolla Tritoniensis* Le Guill. in Rev. zool. 1845. Mai p. 88. Nec  
H. Tritoniens. Guill. 1842.

*Helix declivis* Pfr. Symb. III. p. 48.

Habitat ad Triton-Bay Novae Guineae.

#### 304. *H. Guerini* Pfr.

T. umbilicata, trochiformis, epidermide fusca, rugosa induta; anfr.  $7\frac{1}{2}$  vix convexiusculi, basi carinati: carina pilis confertis dense ciliata; basis convexiuscula; umbilicus angustissimus, pervius; apertura lata, lunaris; perist. simplex, marginibus callo tenuissimo, nitido junctis. — Diam. maj. 46, min. 45, alt. 40 mill. (Coll. Nr. 460.)

*Helix Guerini* Pfr. in Revue zool. 1842. p. 304.

— — Pfr. Symb. II. p. 29.

— — Phil. Icon. I. 3. p. 50. t. 3. f. 6.

— — Chemn. ed. II. Helix N. 544. t. 87. f. 15. 16.

Habitat in montibus Neelgherries Indiae orientalis (Perrottet).

#### 305. *H. Barclayana* Pfr.

T. umbilicata, depresso-turbinata, confertim oblique costata, alba, epidermide fusco-olivacea induta; spira conoidea, apice obtusa; sutura profunda; anfr.  $5\frac{1}{2}$  convexi, ultimus medio carinatus (interdum obsolete bicarinatus), basi convexiusculus; umbilicus mediocris, fere cylindricus; apertura subverticalis, quadrangularis; perist. simplex, acutum, margine columellari verticaliter descendente, cum basali angulum formante. — Diam. maj. 48, min. 46, alt. 42 mill. (Mus. Cuming.)

*Helix Barclayana* Pfr. in Proc. Zool. Soc. 1846. p. 440.

Habitat in insula Mauriti. (Isle de France: Barclay.)

#### 306. *H. bermudensis* Pfr.

T. umbilicata, conoideo-lenticularis, tenuiuscula, carinata, leviter ruguloso-striata, pallide fuscescens, fulvo-marmorata, cingulo castaneo supra et latiore infra carinam ornata; anfr. 7 vix convexiusculi, lente accrescentes; umbilicus angustus, pervius; apertura subtrapezia; perist. simplex, rectum, intus incrassatum. albini, marginibus callo junctis, columellari verticali, brevi, re-  
cto, cum basali angulum subrectum formante. — Diam.  
min. 21, alt. 12 mill. (Spec. coll. Sauliac.)

*bermudensis* Pfr. in Proc. Zool. Soc. 1845. p. 67.

β. Spira paulo elatiore, fasciis obsoletis: diam. maj. 24, min. 19, alt. 13 mill. (Coll. Nr. 161.)

*Helix bermudensis* var. Chemn. ed. II. Helix N. 542. t. 87. f. 9. 10.

Habitat in insulis Bermudis.

**306\*. H. Eurydice Gould. †**

T. tenuis, depresso-pyramidata, acutissime carinata, pallide virens, linea castanea volvente supra et infra picta, subtus planulata, umbilico lato et profundo perforata; anfr. 5 — 6 vix convexi; apex rotundatus; apertura transversa, acuto triangularis; labrum acutum. — Lat.  $1\frac{3}{10}$ , alt.  $1\frac{1}{10}$  poll. (G.)

*Helix Eurydice* Gould 1846. Exped. shells p. 24.

Habitat in ins. Tonga Tabou.

Obs. «Similis H. Cressidae (Nr. 318<sup>b</sup>.) Forma fere exacte H. elegantis».

**307. H. retifera Pfr.**

T. umbilicata, obtuse trochiformis, striato-plicatula, lineis nonnullis concentricis elevatis reticulata, carinata, diaphana, sericina, pallide cornea; spira elevata, obtusa; anfr.  $6\frac{1}{2}$  planiusculi, ultimus basi subplanus, striatus; umbilicus mediocris, porvius; apertura depressa, securiformis; perist. simplex, acutum, marginae supero brevi, basali plane arcuato. — Diam. maj. 7, min.  $6\frac{3}{4}$ , alt. 4 mill. (Coll. Metcalf.)

*Helix retifera* Pfr. in Proc. Zool. Soc. 1845. p. 73.

Habitat in montibus Neelgherries Indiae orientalis.

**307\*. H. tentoriolum Gould. †**

T. parva, elevata, trochiformis, ad apicem rotundata, pallide virescens, oblique et concinne striata, basi in umbilicum medio-crem deversa; anfr. 6 planulati et carina acutissima, alba cincti; apertura subtriangularis, basi rotundata; labrum simplex, ante umbilicum reflexum. — Lat.  $\frac{2}{5}$ , alt.  $\frac{2}{10}$  poll. (G.)

*Helix tentoriolum* Gould 1846. Exped. shells p. 23.

Habitat Upolu.

**308. H. Aucklandia Le Guillou. †**

T. orbiculato-conoidea, tenuis, parva, pellucida, luteo-fuscescens; anfr. 6 depresso-subconvexi, striati, maculis longitudinalibus spadiceis, aequidistantibus regulariter picti, ultimus carinatus, superne striolis transversis obsoletis notatus, subtus convexior, immaculatus, profunde umbilicatus; apertura subrotundata,

anterius subangulata; perist. acutum, fragile. — Diam. 7, alt.  $\frac{1}{4}$  mill. (Guill.)

*Helix Auklandica* Le Guillou in Revue zool. 1842. p. 140.

Habitat in insulis Aukland.

### 309. *H. solarium* Quoy.

T. umbilicata, orbiculato-pyramidata, acute carinata, striata, diaphana, fulva; spira brevis, conica, apice obtusa; anfr. 7 exertiusculi, plani, ultimus basi planulatus, ad umbilicum medio-crem, pervium angulatus; apertura depressa, securiformis; perist. simplex, acutum. — Diam. maj. 9, min. 8, alt.  $3\frac{1}{4}$  mill. (Coll. Nr. 162.)

*Helix solarium* Quoy et Gaim. Astrol. II. p. 131. t. 11. f. 24—29.

— — Lam. ed. Dh. 189. p. 119.

— — Chemn. ed. II. Helix N. 546. t. 87. f. 21—24.

— . . . Fér. hist. t. 63 B. f. 6. 7.

*Caracolla solarium* Beck ind. p. 31.

Habitat ad portum Carteret Novae Hiberniae (Quoy, Hinds).

### 310. *H. arcuata* Pfr.

T. umbilicata, orbiculato-convexa, tenuis, pellucida, pallide cornea, confertim et regulariter arcuato-plicata; spira late conoidea, apice obtusiuscula; anfr. 6 vix convexiusculi, carina acuta, serrulata marginati, ultimus circa umbilicum magnum, fere cylindricum subcompressus; apertura angulato-lunaris, lata; perist. simplex, acutum, margine columellari brevi, verticali. — Diam. maj.  $5\frac{1}{2}$ , min. 5, alt.  $2\frac{1}{4}$  mill. (Mus. Cuming.)

*Helix arcuata* Pfr. in Proc. Zool. Soc. 1846. p. 110.

Habitat in provincia Cagayan insulae Luzon. (Cuming.)

### 311. *H. oceanica* Le Guillou. †

T. orbiculato-convexa, carinata, umbilicata; anfr. 8 albidii, maculis spadiceis angulato-flexuosis tenuissime transversim striati, depresso-plani, submarginati; apex obtusus, fuscus; basis depresso-concava; umbilicus parvus, profundus, acute marginatus; apertura angusta, antice subacuta. — Diam.  $5\frac{1}{4}$ , alt. 3 mill. (G.)

*Helix oceanica* Le Guill. in Revue zool. 1842. p. 140.

Habitat in insula Taiti.

### §. 24.

### 312. *H. Chevallieri* Souleyet. †

T. orbicularis, umbilicata, tenue carinata, conico-depressa, fusca, ad carinam castaneo-fasciata, subtus convexa, olivacea; anfr. 6 obsolete rugulosi, basi marginati; apertura ovata, obliqua.

intus fuscescens, castaneo-fasciata; perist. acutum; umbilicus latus, infundibuliformis, profundus. — Diam. 37, alt. 20 mill. (S.)

*Helix Chevalieri* Soul. in Revue zool. 1842. p. 101.

Habitat in peninsula Malaccensi.

### 313. *H. Metcalfei* Pfr.

T. late umbilicata, depressa, discoidea, acute carinata, striatula, pallide vel rufescenti-cornea, utrinque juxta carinam albam castaneo-unifasciata; spira vix elevata; anfr. 6 vix convexiusculi, ultimus antice vix descendens; apertura subtriangularis; perist. simplex, margine supero antrorsum arcuatim dilatato, depresso, basali ad columellam leviter arcuato. — Diam. maj. 21, min. 19, alt. 7 mill. (Coll. Nr. 463.)

*Helix Metcalfei* Pfr. in Proc. Zool. Soc. 1845. p. 66.

— — *Chemn.* ed. II. *Helix* N. 623. t. 97. f. 10—12.

β. Minor, flavida, lineis angustis nigricanti-rufis juxta carinam: diam. maj. 17, min. 15, alt. 5½ mill. (Spec.)

*Helix Metcalfei* var. *Chemn.* l. c. t. 97. f. 13. 14.

γ. Unicolor, fusco-cornea: diam. maj. 15, min. 13½, alt. 5 mill. (Spec.)

*Helix Metcalfei* var. *Chemn.* l. c. t. 97. f. 15. 16.

Habitat in insulis Philippinis, α Sibonga insulae Zebu, β Tanhay ins. Negros, γ in ins. Siquijor (Cuming).

### 314. *H. Crouanii* Le Guillou. †

T. discoidea, umbilicata, utroque latere »umbilicata« (convexa? Pfr.), castanea, tenuiter striata; anfr. 6 supra depresso-convexiusculi, linea fusca fasciati, ultimus carinatus: carina acuta alba lateraliter linea fusca marginata; umbilicus profundus; apertura subovalis, acuta; labium tenue, acutum. — Diam. 48—49, alt. 40—42½ mill. (G.)

*Helix Crouanii* Le Guill. in Revue zool. 1842. p. 138.

β. Spira conico-depressa, ultimo anfractu subobtusè carinato: diam. 48, alt. 42 mill.

Habitat ad Hamoa, β in insulis Salomonis.

### 314\*. *H. strigosa* Gould. †

T. orbicularis, depressa, scabrata, late umbilicata, cinereo-grisea vel fuscescens, fasciis linearibus volventibus pallide fuscis interdum subtas notata; anfr. 5 convexiusculi, ultimus angulatus et prope aperturam deflexus; apertura circularis; labrum simplex, continuum. — Lat. ⅔, alt. ⅓ poll. (G.)

*Helix strigosa* Gould 1846. Exped. shells p. 48.

Habitat in interiore provinciae Oregon.

Obs. Quoad formam ab auctore cum *H. alternata*, quoad reliquos characteres cum *H. alpina* comparatur.

315. *H. exclusa* Férussac.

T. umbilicata, discoidea, depressa, striata, carinata, marmorata, fasciis 2—3 rubris cincta; anfr. 5 planulati, ultimus circa umbilicum angustum excavatus; apertura rhomboidalis; perist. simplex, acutum, margine basali leviter arcuato. — Diam. maj. 20, min. 18, alt. 10 mill. ex ic. Quoyi. (Coll. Nr. 464.)

*Helix exclusa* Fér. pr. 297. Voy. de Freycin. Zool. p. 472.

— — Quoy et Gaim. Astrol. II. p. 427. t. 40. f. 22—25.

— — Lam. ed. Dh. 191. p. 419.

— — Chemn. ed. II. Helix N. 622. t. 97. f. 7—9.

— *marginata* Müll. verm. II. p. 44. N. 244 (teste Beck)??

— ● — Pfr. in Phil. Icon. I. 4. p. 80. t. 4. f. 10.

Lister t. 67. f. 66.

Habitat ad Rawak et Dorey Novae Guineae et in ins. Vanikoro (Quoy.)

Obs. Cl. Becki sententiam, hanc speciem esse *H. marginatam* Mulleri (cui labrum reflexum expressis verbis ascribit auctor) admittere non possum. Speciem vero Mullerianam in *H. scabrosa* Fér. (Grayana Pfr.) quaerendam esse nunc persuasus sum. (Conf. Nr. 4034.)

316. *H. papua* Lesson.

T. discoidea, umbilicata, depressa, acute carinata, luteo-cornea, rubro-fusco-unifasciata (usque ad apicem); apertura triangularis; perist. simplex. — Diam. 5 lin. (L.) Coll. Nr. 465?

*Helix papua* Less. in voy. de la Coquille p. 343.

Habitat in Nova Guinea.

Obs. «Differt ab *H. planorbi* spira magis elata, umbilico profundiore, minus aperto». (Less.) — An praecedentis varietas?

317. *H. planorbis* Lesson.

T. late umbilicata, orbicularis, valde depressa, tenuis, fragilis, lutescens, superne olivaceo-marmorata; spira vix convexa; anfr. 5, ultimus carinatus: carina tenui, acuta; apertura oblique triangularis; perist. simplex. — Diam. maj. 45, min. 44, alt. 5½ mill. (Coll. Nr. 466.)

*Helix planorbis* Less. voy. de la Coq. p. 342. t. 43. f. 4.

— *marginata* Müll. (teste Beck.)

Habitat in Nova Guinea (Less.), ins. Negros Philippinarum (Cuming.)

318. *H. Swainsoni* Pfr.

T. umbilicata, utrinque depressissima, tenuis, pellucida, subarcuatim ruguloso-striata, virescenti-fulva, lineis 2 rufis ornata; anfr. 5 depressi, medio convexiusculi, carinati: carina acuta, breviter prominente, subrugulosa; umbilicus mediocris, profun-

du; apertura perobliqua, depresso securiformis; perist. simplex, rectum, margine columellari subincrassato. — Diam. maj. 16, min. 14, alt. 5 mill. (Mus. Cuming.)

*Helix Swainsoni* Pfr. in Proc. Zool. Soc. 1846. p. 28.

Habitat in insula Tahiti (Tucker).

318°. *H. Troilus* Gould. †

*T. variabilis*, depresso-conica, subdiscoidea, leviter et obtuse striata, flavescens, subtus convexa, in umbilicum amplum incurvata, carinata: carina utrinque linea spirali castanea marginata (interdum coloribus inversis); anfr. 5½ rotundati; apertura semilunaris, superne angulata; labrum acutum. — Lat. ¾, alt. ½ poll. (G.)

*Helix* (Caracolla) *Troilus* Gould 1846. Exped. shells p. 23.

Habitat in insulis Samoa.

Obs. «Haud dissimilis *H. explanata* Quoy. sed minor, magis umbilicata, etc.»

318°. *H. Cressida* Gould. †

*T. variabilis*, solida, depressa, lenticularis, acute carinata, nitida, dense et acute striata, coloribus flavo-viridibus et castaneis coalescentibus fasciata, infra subplanulata, umbilico magno et profundo perforata; anfr. 5 vix convexi; apertura triangularis; labrum acutum; faux hlacina. — Lat. ½, alt. ½ poll. (G.)

*Helix Cressida* Gould 1846. Exped. shells p. 23.

Habitat in ins. Samoa et Taheiti.

Obs. «Forma fere sicut *H. acies*, sed subtus planior et minor.»

319. *H. acutimargo* Pfr.

*T. umbilicata*, depressa, supra planiuscula, basi convexa, tenuis, pellucida, pallide cornea, acute carinata, supra carinam striis nonnullis confertis, concentricis notata; anfr. 6 lente accrescentes; umbilicus mediocris, pervius; apertura angulato-lunaris; perist. simplex, acutum. — Diam. maj. 16, min. 14½, alt. 6 mill. (Coll. Nr. 467.)

*Helix acutimargo* Pfr. in Proc. Zool. Soc. 1845. p. 40.

— — *Chamm.* ed. II. *Helix* N. 620. t. 97. f. 1—3.

Habitat in insula Negros Philippinarum (Cuming).

Obs. Similis speciminibus junioribus *H. compressae*, qualia circa Fiume legi, a quibus differt umbilico angustiore, anfractibus angustioribus et sculptura.

320. *H. radula* Pfr.

*T. umbilicata*, depressa, sublenticularis, solidiuscula, pallide cornea, carinata, striis incrementi confertis et lineis acute promi-

nentibus concentricis exasperata; anfr. 6 convexiusculi, lente accrescentes; ultimus basi inflatus, confertim et radiatim costulato-striatus; umbilicus mediocris, pervius; apertura lunato-elliptica; perist. simplex, vix incrassatum, marginibus callo lineari junctis. — Diam. maj. 24, min. 19, alt. 40 mill. (Coll. Nr. 168.)

*Helix radula* Pfr. in Proc. Zool. Soc. 1845. p. 40.

— — *Phil.* Icon. I. 7. p. 155. t. 4. f. 44.

— — *Chemn.* ed. II. Helix N. 621. t. 97. f. 4—6.

Habitat in provincia Iloconensi insulae Luzon (Cuming).

### 321. *H. strigilis* Pfr.

T. umbilicata, depressa, lenticularis, tenuis, pellucida, pallide cornea, acute carinata; spira parum elevata; anfr. 6 angusti, vix convexiusculi, superne confertim costulato-striati, lineis elevatis concentricis reticulati, ultimus basi convexior, laevigatus, nitidus; umbilicus mediocris, cylindricus; apertura subverticalis, angulato-lunaris; perist. simplex, acutum, margine supero brevi, strictiusculo, basali valde arcuato. — Diam. maj. 42, min. 44, alt. 5½ mill. (Mus. Cuming. et Coll. Nr. 469.)

*Helix strigilis* Pfr. in Proc. Zool. Soc. 1845. p. 124.

— — *Chemn.* ed. II. Helix N. 543. t. 87. f. 44—44.

Habitat ad Himamaylan insulae Negros Philippinarum (Cuming).

### 322. *H. albocincta* Pfr.

T. umbilicata, orbiculato-convexa, tenuiuscula, superne regulariter et confertim striata, sericina, fulvo-cornea, carinata; spira depresso-conica, apice obtusa; anfr. 5½ convexi, carina alba cincti, ultimus basi sublaevigatus, lineis subtilibus, concentricis notatus; umbilicus mediocris, pervius; apertura obliqua, angulato-lunaris; perist. simplex, acutum. — Diam. maj. 44, min. 40, alt. 5 mill. (Coll. Nr. 470.)

*Helix albocincta* Pfr. in Proc. Zool. Soc. 1845. p. 123.

— — *Chemn.* ed. II. Helix N. 545. t. 87. f. 47—20.

Habitat ad Himamaylan insulae Negros (Cuming).

### 323. *H. ptychodes* Pfr.

T. umbilicata, depressissima, discoidea, tenuissima, arcuato-plicata, sub epidermide tenui, fusca, decidua hyalina; spira planiuscula; anfr. 4½—5 planulati, ultimus basi vix convexior; umbilicus mediocris; apertura perobliqua, ampla, angulato-lunaris; perist. simplex, acutum. — Diam. maj. 40½, min. 9, alt. 3½ mill. (Mus. Cuming.)

*Helix ptychodes* Pfr. in Proc. Zool. Soc. 1845. p. 137.

Habitat prope Bluefields insulae Jamaicae (Gosse).

324. *H. cumberlandiana* Lea. †

T. lenticulata, carinata, striata, albida, fusco-notata, late umbilicata, ad carinam superne et infra impressa; anfr. 5; apertura angulata, intus sulcata; labrum acutum. — Diam. 0,54, long. 0,44 poll. (Lea.) — Diam. 44, alt. 4 mill. (ex ic.)

*Carocolla cumberlandiana* Lea obs. III. p. 67. t. 6. f. 64.

Habitat in montibus cumberlandianis, prope Jasper: Tennessee (Lea).

Obs. «Similis *H. alternatae* Say, facile distinguenda forma lenticulari et carina. Anfractus omnes in umbilico conspicui». (Lea.)

325. *H. rudiuscula* Pfr.

T. umbilicata, depressa, lenticularis, tenuis, irregulariter rugoso-striata, rudiuscula, corneo-fusca; spira vix convexiuscula; anfr. 5 subplanulati, regulariter accrescentes, ultimus non descendens; umbilicus majusculus, perspectivus; apertura perobliqua, angulato-lunaris; perist. simplex, acutum, margine supero antrorsum arcuato-dilatato. — Diam. maj. 9, min. 8, alt. 3 mill. (Mus. Cuming.)

*Helix rudiuscula* Pfr. Symb. III. p. 68.

Habitat...? (Ex itinere Belcheri cum nave: Sulphur.)

326. *H. solaria* Mcke.

T. latissime umbilicata, lenticularis, superne planiuscula, subtus excavata, tenuis, costulato-striata, cornea, rufo-maculata, acute carinata; anfr. 6½ planulati, lente accrescentes; apertura securiformis; perist. simplex, acutum. — Diam. maj. 7, min. 6½, alt. 2½ mill. (Coll. Nr. 474.)

*Helix solaria* Mke. synops. ed. 2. p. 49.

— — Rossm. VII. p. 42. f. 453.

— — Chemn. ed. II. *Helix* N. 454. t. 24. f. 26—29.

*Helix perspectiva* Mühlf. in Mag. d. Ges. naturf. Fr. zu Berlin. VIII. 1848. p. 44. t. 2. f. 49. Nec Say.

— Megerlei Jan catal. N. 67.

— rotundata var. depressa Fér. hist. t. 79. f. 5.

*Gomphodiscus perspectivus* Fitzing. syst. Verz. p. 98.

*Euryomphala solaria* Beck ind. p. 9.

*Patula solaria* Held in Isis 1837. p. 946.

Habitat in Austria, Carinthia, Carniolia, Lombardia.

327. *H. Argonautula* Webb et Berthelot. †

T. depressa, tenuis, carinata (carina caelata), orbiculata, supra plana: anfractibus elevatis, subtus convexa, argute striata.



cinerea, fasciis 2 interruptis pallide fuscis lineolaque intermedia ornata; apertura depressa, subdeltoidea; perist. simplex, tenue, continuum; umbilicus largiusculus, orbicularis, profundus. (W. et B.) — Diam. 8 — 10, alt. 4 mill. (ex ic.)

*Helix Argonautula* Webb et Berth. synops. p. 325.

— — *Orb. canar.* p. 64. t. 2. f. 13 — 18.

*Carocolla Argonautula* Villa disp. p. 49.

Habitat in insulis Canariis.

### 328. *H. Parlatoris Bivona fl.*

T. parva, umbilicata, depressa, carinata, supra plana, subtus convexa, cornea, pilis longis villosa; anfr. 4 planiusculi, ultimus descendens; apertura subangulata, rotundato-lunaris; perist. rectum, simplex, acutum, marginibus approximatis. — Diam. maj. 9, min. 7, alt.  $4\frac{1}{2}$  mill. (Coll. Nr. 172.)

*Helix Parlatoris Biv. fl.* in: l'Occhio 1839. N. 9. f. 1.

— — *Rossm.* XI. p. 2. f. 688.

— — *Philippi* Sicil. II. p. 107. t. 24. f. 4.

— — *Chemn.* ed. II. *Helix* N. 644. t. 95. f. 26 — 28.

Habitat in Sicilia ad Monte Cuccio et Busambra (Bivona).

### §. 25.

### 329. *H. algira Linn.*

T. late umbilicata, orbiculato-convexa, obsolete angulata, supra minutissime granulato-decussata, epidermide corneo-lutescente, decidua radiata, subtus nitida; anfr. 6, supremi plani, ultimi convexi; apertura late oblique lunaris; perist. rectum, intus callosum. — R. a. = 3 : 4. — Diam. maj. 45, min. 40, alt. 49 mill. (Coll. Nr. 173.)

*Helix algira* Linn. syst. ed. X. p. 769. ed. XII. N. 660. p. 4242.

— — *Born* Mus. p. 366. t. 44. f. 3. 4.

— — *Chemn.* IX. P. 2. p. 77. t. 125. f. 1093. 94.

— — (*Helicella*) *Fér.* pr. 203. Hist. t. 84. f. 1 — 7.

— — *Lam.* 45. p. 77. ed. Dh. p. 46.

— — *Blainv.* Malacol. p. 461. t. 40. f. 8.

— — *Drap.* p. 115. t. 7. f. 38 — 40.

— — *Rossm.* III. p. 1. f. 147.

— — *Sow.* Conch. Man. f. 279.

— — *Chemn.* ed. II. *Helix* N. 39. t. 8. f. 3. 4

— *oculus capri* Müll. verm. II. p. 39. N. 239.

— *aeophthalmos* Gmel. p. 3614. N. 5.

*Zonites algireus* Montf. p. 283. t. 74.

*Zonites algira* Beck ind. p. 8.

*Tragomma algirum* Held in Isis 1837. p. 916.

Descript. de l'Egypte t. 2. f. 20.

Habitat in Gallia meridionali, Sicilia, Sardinia, Corsica.

Obs. Speciem descriptam veram esse Linnaei speciem, ex diagnosi Linnaeana non dubitandum est (conf. Menke in Zeitschr. f. Mal. 1845. p. 25); in collectione Linnaeana eandem nomine *H. lusitanicae* designatam servari affirmavit Cl. Sylvanus Hanley.

### 330. *H. verticillus* Férussac.

T. late umbilicata, subsemiglobosa, superne minutim decussata, luteo-fusca, strigis latis remotis luteis ornata, subtus glabra, nitida, virescenti-lutea; anfr. 7, omnes convexi; apertura lunato-subcircularis; perist. acutum, simplex, intus albo-callosum. — R. a. = 4 : 5. — Diam. maj. 33, min. 29, alt. 49 mill. (Coll. Nr. 474.)

*Helix verticillus* (Helicella) Fér. pr. 202. Hist. t. 80. f. 8 et 9 (juv.)

— — Lam. 46. p. 78. ed. Dh. p. 47.

— — C. Pfr. III. p. 23. t. 5. f. 4. 5.

— — Rossm. III. p. 2. f. 449.

— — Chemn. ed. II. Helix N. 450. t. 24. f. 9. 40.

— *lupidicola* Mühlf. } teste Rossm.

— *oculus capri* Hartm. }

— *algira* Brumati p. 34.

— — var. Cantr. Malac. p. 126.

*Aegopis verticillus* Fitzing. syst. Verz. p. 99.

*Zonites verticillus* Beck ind. p. 8.

*Tragomma verticillus* Held in Isis 1837. p. 916.

Habitat in Austria, Styria, Carinthia, Carniolia, provincia littorali.

### 331. *H. albanica* Megier.

T. late umbilicata, discoidea, demum ecarinata, superne granulato-decussata, corneo-fusca, albido-cincta, subtus lutescens, fascia lata, corneo-fusca ornata, nitida; anfr. 6 convexiusculi; umbilicus magnus, pervius; apertura oblique lunaris; perist. simplex, acutum, intus callosum, marginibus subapproximatis. — R. a. = 7 : 10. — Diam. maj. 37, min. 33, alt. 44 — 15 mill. (Coll. Nr. 475.)

*Helix albanica* Ziegl. Mus. Rossm. III. p. 4. f. 448.

— — Chemn. ed. II. Helix N. 645. t. 96. f. 1 — 3.

*Zonites albanica* Beck ind. p. 8.

*Tragomma albanicum* Held in Isis 1837. p. 916.

3. var.: *Helix Dinara* Stentz et Porro. (teste Villa.)

Habitat in Dalmatia et Albania.

**332. H. compressa Ziegler.**

T. late umbilicata, depresso-orbiculata, obtuse angulata, superne rufescens, sericina, minutissime clathrata, subtus nitida, albido-cincta, cinereo albidoque radiata, infra angulum interrupte rufescenti-vittata; anfr. 6 convexiusculi; apertura oblique lunaris: perist. rectum, acutum, intus sublabiatum. — R. a. = 3 : 4. — Diam. maj. 32, min. 28, alt. 42 mill. (Coll. Nr. 476.)

*Helix compressa* Zgl. Mus. Rossm. III. p. 2. f. 150.

— — Chemn. ed. II. Helix N. 616. t. 96. f. 4—6.

— *pudiosa* Zgl. (ex spec. coll. Menkean.)

*Zonites compressa* Beck ind. p. 8.

*Tragomma compressum* Held in Isis 1837. p. 916.

β. Paulo major, spira paulo elatiore, angulo obtusiore:

*Helix lardea* Stentz in sched.

Habitat prope Fiume ad Monte Tersatto!

Obs. Specimina juniora acutissime carinata: Chemn. l. c. t. 96. f. 10. 11.

**333. H. acies Partsch.**

T. late umbilicata, convexo-lenticularis, carinata, superne rufo-cornea, subopaca, costato-striata, subtilissime decussata, subtus albida, nitida, infra carinam compressam, albidam dilute cornea; anfr. 6½ contabulati; apertura lunato-securiformis; perist. rectum, acutum, intus tenuissime labiatum. — R. a. = 44 : 46. — Diam. maj. 34, min. 29, alt. 42 mill. (Coll. Nr. 477.)

*Helix acies* Partsch in Mus. Caes. Vindob.

— — (Helicella) Fér. hist. t. 80. f. 7.

— — Rossm. III. p. 3. f. 152.

— — Chemn. ed. II. Helix N. 619. t. 96. f. 15—17.

*Helix acumen* Féruss. Mus.

— *acutimargo* Zgl. Mus. olim.

— — *Brumati* p. 30. f. 3. 4.

— *algira* Olivi? Cantr. Malac. p. 127.

*Carocolla acutimargo* Menke syn. ed. 2. p. 24.

*Tragomma acies* Held in Isis 1837. p. 916.

*Zonites acies* Beck ind. p. 8.

Habitat in Dalmatia! Sicilia (Jan)?

Obs. Cl. Cantraine H. explanatam Quoy et Gaim. (vix perforatam) eandem esse putat!

**334. H. croatica Partsch.**

T. late umbilicata, orbiculato-convexa, superne confertim costulato-striata, subtilissime decussata, sericina, cornea, obtuse angulata, albido-cincta, subtus nitida, lutescenti-albida, infra angulum corneo-fasciata; anfr. 7, supremi acute carinati, reliqui convexiusculi; apertura oblique lunaris; perist. rectum, acutum.

intus vix albo-callosum. — R. a. = 2 : 3. Diam. maj. 28, min. 25, alt. 13 mill. (Coll. Nr. 478.)

*Helix croatica* Partsch in Mus. Caes. Vindob.

— — Rossm. III. p. 3. f. 151.

— — Chemn. ed. II. Helix N. 151. t. 24. f. 7. 8.

— *acies* var. *Cantr.* Malac. p. 127.

*Zonites croatica* Beck ind. p. 8.

*Tragomma croaticum* Held in Isis 1837. p. 946.

β. Minor: diam. maj. 23, min. 21, alt. 9 mill. (Spec.)

*Helix croatica* Fér. hist. t. 80. f. 5.

Habitat in Croatia, var. β in Carniolia.

### 335. *H. carica* Roth. †

T. late umbilicata, paucispira, depresso-orbiculata, obtuse carinata, supra sericina, subtilissime decussata, seriatim granulata, striata, corneo-lutescens, subtus laevis, corneo-albescens, luteo-radiata; sutura profunda; anfr.  $4\frac{1}{2}$  convexiusculi; apertura oblique lunato-ovalis; perist. acutum, rectum, intus callosum, potius labiatum; labium album, externe luteo-pellucens. — Alt. 6, lat. 11 lin. (R.) — Diam. maj. 25, min. 23, alt. 44 — 42 mill. (ex ic.)

*Helix carica* Roth diss. p. 17. t. 1. f. 6. 7. 21.

Habitat ad Cacamo Cariae.

### 336. *H. smyrnensis* Roth.

T. late umbilicata, orbiculato-convexa, obtuse carinata, corneo-lutescens; superne subtiliter granulato-decussata, subtus laevis, nitida, remote luteo-radiata; anfr. 6 contabulati; apertura oblique lunaris; perist. rectum, simplex, acutum, intus remote labiatum. — R. a. = 3 : 4. — Diam. maj. 28, min. 26, alt. 43 mill. (Coll. Nr. 479.)

*Helix smyrnensis* Roth diss. p. 16. t. 1. f. 8. 9.

— — Chemn. ed. II. Helix N. 617. t. 96. f. 12 — 14.

Habitat prope Smyrnam, Sardum, in insula Syme.

### 337. *H. gemonensis* Ferrussac.

T. late umbilicata, orbiculato-convexa, carinata, lutescens, superne striata, subdecussata, sericina, subtus glabra, nitida; anfr. 6 planiusculi; apertura angulato-lunata; perist. rectum, acutum, sublabiatum. — R. a. = 2 : 3. — Diam. maj. 48, min. 46, alt. 8 mill. (Coll. Nr. 480.)

*Helix gemonensis* Fér. pr. 204. Hist. t. 80. f. 6.

— — Rossm. III. p. 3. f. 153.

— — Chemn. ed. II. Helix N. 618. t. 96. f. 12 — 14

— *isodoma* Jan Mantissa p. 2.

*Zonites gemonensis* Beck ind. p. 8.

*Tragomma gemonense* Held in Isis 1837. p. 916.

Habitat in Friaulia, prope Gemona, Recoaro.

§. 26.

338. *H. monticola* (Nanina) Hutton.

T. perforata, depressa, subdiscoidea, fusco-cornea, striata. lineis concentricis, confertis minutissime reticulata; spira vix elevata, apice obtusata; anfr. 6 vix convexiusculi, ultimus obsolete angulatus; sutura leviter impressa; apertura lata, lunaris; perist. simplex, rectum, intus callo albido late labiatum, margine columellari vix reflexo. — Diam. maj. 26, min. 17, alt. 10 mill. (Spec. Mus. Britt.) — Diam. 1, 75 poll. (Hutt.)

*Nanina monticola* Hutt. in Journ. As. Soc. VII. P. 4. p. 215.

— *convexa* Bens. in sched. Cuming.

Habitat in Himalaya ad Mahassu (Hutt.), Landour (Bens.).

Obs. Similis *H. labiatae* (Nr. 164.) forsan hoc loco enumerandae; differt anfractuum numero, sculptura, etc.

339. *H. Olivieri* Férussac.

T. demum clauso-perforata, subglobosa, tenera, pellucida. albida, dilute fusculo-fasciata; anfr. 5 — 6 convexiusculi; apertura lunato-rotunda; perist. rectum, intus albido-labiatum. — Diam. maj. 15, min. 13, alt. 10 mill. (Coll. Nr. 184. Spec. Fiumens.)

*Helix Olivieri* (Helicella) Fér. pr. 255 et Mus.!

— — *Rossm.* VI. p. 37. f. 365.

— — *Phil. Sicil.* II. p. 405.

— — *Chemn.* ed. II. *Helix* N. 88. t. 16. f. 17. 18.

— *cincla* Hartm. (teste Charp.)

— *dilucida* Zgl. Mus.

— *Rizza* Arad. (Phil. in Zeitschr. f. Mal. 1844. p. 105.)

*Bradybaena Olivieri* Beck ind. p. 49.

β. Depressior, fere tota cornea, fascia alba ad suturam et angusta ad peripheriam:

*Helix parumcincla* Parr. in sched.

γ. Anfractu ultimo albo, linea peripherica cornea ciungulato et punctis pellucidis consperso, spira cornea:

*Helix ocellata* Parr. in sched. — Roth diss. p. 44.

Habitat prope Fiume (!), in Dalmatia, Corfu, Sicilia, var. γ. frequentissima Byzantii (Roth).

Obs. *H. ornata* Crist. et Jan, nec non *H. bizona* Mf. huc referendae videntur.

340. *H. Rothi* Pfr.

T. subobtecte perforata, depresso-globosa, opaca, sordide alba, bifasciata: fascia supera angusta, rufa, inferiore lata, diluta, pellucida; anfr. 6 convexiusculi, ultimus vix descendens; apertura lunaris; perist. acutum, intus albo-labiatum, margine columellari reflexo, perforationem fere tegente. — Diam. maj.  $43\frac{1}{2}$ , min. 42. alt. 9 mill. (Coll. Nr. 482.)

*Helix Rothi* Pfr. in Wieg. Arch. 1844. I. p. 248.

— — Chemn. ed. II. *Helix* N. 92. t. 47. f. 5—7.

— *Olivieri* var. *Roth* diss. p. 44.

Habitat in insula Syra (Roth, Forbes).

341. *H. pisiformis* Pfr.

T. perforata, globulosa, tenuiuscula, oblique striatula (striis ad suturam distinctioribus), corneo-lutescens, linea 4 alba, opaca cingulata; spira conoidea, acutiuscula; anfr.  $5\frac{1}{2}$  convexiusculi, penultimus subcarinatus, ultimus antice subdescendens; apertura obliqua, rotundato-lunaris; perist. acutum, subexpansum, intus remote et valide albo-labiatum, marginibus vix convergentibus, columellari subdilato, patente. — Diam. maj. 44, min.  $9\frac{1}{2}$ , alt. 7 mill. (Mus. Stuttgart. et Coll. Nr. 483.)

*Helix pisiformis* Pfr. Symb. III. p. 95.

— — Chemn. ed. II. *Helix* N. 94. t. 47. f. 8—10.

Habitat in Caucaso.

342. *H. syriaca* Ehrenb.

T. subimperfecta, globoso-depressa, grisea, pellucidula, plerumque fasciis 2 calcareis, opacis ornata, parum nitida, minutissime rugulosa; spira convexiuscula; anfr. 5 planiusculi, ultimus antice vix descendens; apertura late lunaris; perist. subpatulum, rufum, albo-labiatum. — Diam. maj.  $42\frac{1}{2}$ , min. 40, alt.  $7\frac{1}{2}$ —8 mill. (Coll. Nr. 484.)

*Helix syriaca* Ehrenb. Symb. phys. Moll.

— — Chemn. ed. II. *Helix* N. 629. t. 98. f. 4—6.

— *onychina* Rossm. IX. p. 7. f. 568.

— — Phil. Sicil. II. p. 406.

*Bradybaena syriaca* Beck ind. p. 49.

*Descript. de l'Egypte* t. 2. f. 18?

♂ Minor, subunicolor:

*Helix gregaria* Zgl., Rossm. IX. f. 569.

Habitat in Syria, Egypto, Algeria, var.  $\beta$  in Sicilia.

343. *H. occidentalis* Récluz.

T. rimato-perforata, globoso-depressa, ruguloso-striata, epidermide virenti-flava, hispida induta, plerumque rufo-bizonata;

anfr.  $4\frac{1}{2}$ —5 convexi, sutura profunda distincti, ultimus dilatatus, basi convexus; apertura lunato-semiovalis, intus lactea; perist. acutum, expansiusculum, intus valide albo-labiatum, margine columellari dilatato. — Diam. maj. 9, min. 7, alt. 5 mill. (Mus. Cuming.)

- Helix Ponentina* Morelet moll. du Port. p. 65. t. 6. f. 4.  
 — *occidentalis* Récluz in Revue zool. 1845. p. 311.  
 — — Chemn. ed. II. Helix N. 697. t. 111. f. 20—22.  
 — *lisbonensis* Pfr. Symb. III. p. 68.  
 — — Phil. Icon. II. 11. p. 86. Helix t. 7. f. 40.

Habitat in tota Lusitania, frequentissima prope Cintra: var. major, magis globulosa, diaphana in Algarbia.

Obs. Nomen *H. Ponentinae* pessime formatum, nec adoptandum!

#### 344. *H. carthusiana* Müller.

T. perforata, globoso-depressa, minute striata, corneo-albida, subpellucida; spira parum elata, plerumque mammillata; anfr.  $5\frac{1}{2}$  vix convexiusculi, ultimus antice subdeflexus; apertura late lunaris, intus labiata; perist. acutum, subexpansum, rubellum, margine basali subrecto, columellari perforationem semitegente. — Diam. maj. 14, min. 11, alt.  $7\frac{1}{2}$  mill. (Coll. Nr. 485. Spec. typ. frequentiss.)

- Helix carthusiana* Müll. verm. II. p. 15. N. 214.  
 — — Gray Man. p. 146. t. 3. f. 27.  
 — — Chemn. ed. II. Helix N. 90. t. 16. f. 21. 22.  
 — *nitida* Chemn. IX. P. 2. p. 103. t. 127. f. 1130. 31.  
 — *nemoralis*  $\beta$   $\beta$  Gmel.  
 — *carthusianella* Drap. p. 101. t. 6. f. 31. 32. t. 7. f. 3. 4.  
 — — Lam. 71. p. 85. ed. Dh. p. 61.  
 — — C. Pfr. III. p. 25. t. 6. f. 1.  
 — — Kryn. Bull. Mosc. IX. p. 183.  
 — — Rossm. VI. p. 37. f. 366.  
 — — Morelet moll. du Port. p. 62.  
 — *Olivieri*  $\gamma$  (Helicella) Fér. pr. 255 et Mus.  
 — — C. Pfr. III. p. 25. t. 6. f. 4.  
 — — ? Kryn. Bull. Mosc. IX. p. 185.  
 — *Gibbsii* Leach, Brown britt. shells t. 40. f. 49—51.  
 — *Gypsii* Féruss. in Journ. de Phys. XC. 300.  
 — *rufilabris* Jeffr. Linn. transact. XVI. p. 509.  
 — *Zenobia bimarginata* Gray in Med. Repos. 1821.  
 — *claustralis* et *lucernalis* Zgl. Mus.  
 — . . . Fér. hist. Livr. 34. t. 3. f. 11.

*Theba carthusianella* et *Charpentiera* Risso IV. p. 76.  
*Monacha carthusianella* Fitzing. syst. Verz. p. 95.

*Bradybaena carthusiana* Beck ind. p. 19.

*Fruticicola carthusianella* Held in Isis 1837. p. 914.

*Descript. de l'Egypte* t. 2. f. 17.

β. Major, ad H. Cantianam prope accedens: diam. maj.  $45\frac{1}{2}$ , min.  $43\frac{1}{2}$ , alt. 10 mill. (Spec.)

γ. Minima: diam. maj.  $9\frac{1}{2}$ , min.  $8\frac{1}{2}$ , alt. 7 mill. (Spec.)

δ? *Helix convexa* Arad. et Magg. cat. p. 70.\* — Philippi Sicil. II. p. 217. («Num satis differt ab *H. carthusianella*»?)

Habitat in Austria (et passim in Germania media), Illyria, Helvetia, Gallia, Lusitania, Britannia, Volhynia, Tauria, et in insulis maris mediterranei, var. β prope Monfalcone! Var. δ? prope Castiglione in Aetna.

Obs. Varietates citatae stricte separari non possunt. Praeterea variat spira magis minusve prominula et umbilico majore vel omnino clauso.

### 345. *H. obstructa* Férussac.

T. subtus rimata, depressa, laevis, corneo-albida, subpellucida; spira planiuscula; anfr.  $4\frac{1}{2}$ , ultimus subdevians, prope aperturam albidus, margine rubello; apertura lunato-rotundata, intus albo-labiata; perist. simplex, margine columellari reflexiusculo. — Diam. maj. 42, min.  $39\frac{1}{2}$ , alt. 6 mill. (Coll. Nr. 186.)

*Helix obstructa* Fér. pr. p. 69 et Mus.!

— — Pfr. Symb. II. p. 35.

— — Chemn. ed. II. *Helix* N. 628. t. 98. f. 1—3.

— *obstrusa* (Helicella) Fér. pr. 256.

— . . . . Fér. hist. Livr. 34. t. 3. f. 10.

Habitat in Africa boreali: Tripoli. (Mus. Paris.)

Obs. Superne *H. carthusianae* simillima, basi autem ex deviatione anfractus ultimi rimata, nec perforata facillime distinguenda.

### 346. *H. Cantiana* Montagu.

T. umbilicata, globoso-depressa, tenuis, pellucida, striata, corneo-lutescens; spira vix elata; anfr.  $5\frac{1}{2}$ —6 convexiusculi, rapide accrescentes, ultimus inflatus, non deflexus; apertura lunaris, intus margaritacea; perist. acutum, intus labiatum, margine columellari dilatato, umbilicum angustum, pervium non tegente. — Diam. maj. 24, min. 18, alt. 43—44 mill. (Coll. Nr. 187. Spec. illyrica, gallicis et britannicis majora.)

*Helix Cantiana* Mont. p. 422. t. 23. f. 1.

— — Gray Men. p. 144. t. 3. f. 26.

— — Chemn. ed. II. *Helix* N. 89. t. 46. f. 19. 20.

\* *T. subglobosa*, undique convexa, perforata, tenui, subtiliter striata, pellucida, extus rufescente, intus subviolacea; apertura subcirculari; labro simplice, intus vix marginato. — Diam 6, alt  $4\frac{2}{3}$  lin. (Ar. l. c.)



*Helix carthusiana* Drap. p. 102. t. 6. f. 33. Nec Mull.

— — Lam. 72. p. 85. ed. Dh. p. 62.

— — C. Pfr. III. p. 26. t. 6. f. 2. 3.

— — Rossm. VI. p. 36. f. 364.

— *pallida* Jeffr. Linn. transact. XVI. 2.

— — Donovan. britt. shells t. 157. f. 2.

— *crepuscularis* Gmel. 179?

*Theba carthusiana* Risso IV. p. 74.

*Bradybaena Cantiana* et *Brunonensis* Beck ind. p. 19.

*Fruticicola carthusiana* Held in Isis 1837. p. 944.

Habitat in Britannia, Illyria (!), Gallia meridionali, Italia.

\* \* \*

### 347. *H. Grayi* Pfr.

T. subobtectae umbilicata, globoso-depressa, tenuiuscula. striata et undique granulata, pallide fulvescens, sutura et area basali violaceo-castaneis; spira parum elata; anfr. 5—5½ convexiusculi, ultimus antico breviter deflexus; umbilicus angustus: apertura lunato-circularis, intus tenuiter roseo-labiata; perist. simplex, margine dextro recto, columellari dilatato, reflexo, roseo. — Diam. maj. 23, min. 19, alt. 15 mill. (Mus. Cuming.)

*Helix* ... Gray New Zeal. ined. t. 1. f. 8. 9.

— ... Pfr. Symb. III. p. 68.

Habitat in Australia orientali (Gilbert).

### 348. *H. multistriata* Deshayes.

T. perforata, depresso-globosa, tenuis, fragilis, translucida, cornea, striis regularibus concentricis creberrimis notata; anfr. 5½ convexiusculi, ultimus ad peripheriam obsolete angulatus et bicinctus: cingulis angustis, contiguis, supero rufo, infero albido: apertura lunaris; perist. intus sublabiatum, margine supero expanso, basali dilatato, reflexo, foramen semitegente, prope columellam subdentato. — Diam. maj. 49, min. 46, alt. 41—42 mill. (Coll. Nr. 488.)

*Helix multistriata* Desh. in Encycl. méth. II. p. 248. N. 401.

— — Lam. ed. Dh. 158. p. 102.

— — Chemn. ed. II. Helix N. 95. t. 47. f. 13. 44.

— *circumtexta* (Helicogena) Fér. hist. t. 27 A. f. 1. 5.

— — Orb. cub. I. p. 117. t. 9. f. 4—7.

— *bicincta* Mke synops. ed. 2. p. 127. (ex spec. detrito.)

— — Voigt in Cuv. Thierr. III. p. 66.

— *vesica* Lea obs. I. p. 168. t. 19. f. 67. (ex spec. decol.)

— *adjuncta* Zgl.? (Beck.)

*Bradybaena bicipita* Beck ind. p. 19.

β. Minor: diam. maj. 13, min. 11, alt. 9 mill. (Spec.)

*Helix circumtexta* var. *Fér. hist. t. 27 A. f. 6.*

— *multistriata* var. *Chemn. ed. II. Helix t. 17. f. 29. 30.*

Habitat in insula Cuba. Frequentem legi circa Matanzas in ripis fluviorum Yumuri et Canimar.

349. *Hel. fruticum* MÜLLER.

T. aperte umbilicata, globosa, opaca, rufescens aut albido-lutescens (raro castaneo-unifasciata); anfr. 5—6 convexi, concentricae obsolete striolati, ultimus basi inflatus, circa umbilicum mediocrem, pervium excavatus; apertura lunato-rotunda; perist. subpatulum, sublabiatum. — Diam. maj. 24, min. 19, alt. 14—15 mill. (Coll. Nr. 189. Spec. hass.)

*Helix fruticum* Müll. verm. II. p. 71. N. 267.

— — *Chemn. IX. P. 2. p. 150. t. 133. f. 1203.*

— — *Drap. p. 83. t. 5. f. 16. 17.*

— — *Lam. 66. p. 83. ed. Dh. p. 59.*

— — *C. Pfr. I. p. 23. t. 2. f. 3—5.*

— — *Rossm. I. p. 64. f. 8.*

— — *Kryn. Bull. Mosc. IX. p. 174.*

— — *Chemn. ed. II. Helix N. 83. t. 16. f. 4—4.*

— *terrestris* Gmel. 175.

— *cinerea* Poir. prodr. p. 73.

*Helicella fruticum* Fitzing. syst. Verz. p. 95.

*Bradybaena fruticum* Beck ind. p. 19.

*Fruticicola fruticum* Held in Isis 1837. p. 944.

*Eulota fruticum* Hartm. Gast. I. p. 179. t. 63. 64.

β. Minor, tenuis, rosea, concentricae distinctius striata, anfractu ultimo circa umbilicum subangulato: diam. maj. 18, min. 16, alt. 12—13 mill. (Spec.)

Habitat in Germania, Gallia, Helvetia etc., sed non in Britannia; in Syria teste Férussac. Var. β legi ad Westerhof prope Göttingam.

Obs. Variat magnitudine, nec non spira magis minusve elevata.

350. *Hel. inchoata* Morelet. †

T. orbiculato-convexa, tenuis, perforata, corneo-lutescens vel avellanacea, saepius pellucida, interdum absque nitore; spira prominula; anfr. 7 subplani, striatuli, infimus fasciatus, subtus turgidulus; apertura subrotunda; labrum simplex, fragile [in adultis intus pone marginem labiatum]. — Amplit. 17—23 mill. (M.) — Diam. 23, alt. 17 mill. (ex ic.)

*Helix inchoata* Morelet moll. du Port. p. 70. t. 7. f. 4.

a. Avellanacea subtus olivacea; ultimo anfractu 2 fasciis fusco-rubescens, luteo extrinsecus pallide marginatis, ornato.

*β.* Lutescens, fusco-rubescens unifasciata.

*γ.* Omnino lutea vel albicans.

Habitat frequens in tota Lusitania.

Obs. Differt ab *H. fruticum* anfractuum lentius accrescentium, planiorum numero, umbilico angustissimo, apertura magis ovali. etc. (M.)

### 351. *H. fruticola* Krynicki.

*T.* angustissime umbilicata, orbiculato-convexa, tenuiuscula, striata, albida; spira prominula, acutiuscula; anfr. 7 convexiusculi, ultimus antice valde deflexus; apertura obliqua, rotundato-lunaris; perist. rectum, acutum, intus anguste albo-labiatum, marginibus subconniventibus, columellari superne dilatato, fornicatim reflexo, umbilicum non pervium semitegente. — Diam. maj. 47, min. 44, alt. 44 mill. (Coll. Nr. 490.)

*Helix fruticola* Kryn. in Bull. Mosc. VI. p. 429. IX. p. 181. \*)

— — Chemn. ed. II. *Helix* N. 624. t. 97. f. 17—19.

Habitat in Tauria meridionali. (Benevole communicavit Cl. de Middendorff.)

### 352. *H. despecta* Gray.

*T.* anguste umbilicata, subglobosa, tenuis, rugoso-striata, flavido-fusca; spira paululum elata; anfr. 5 convexi, ultimus inflatus; sutura profunda; apertura ampla, lunato-rotundata; perist. simplex, intus subincrassatum, margine columellari superne dilatato, reflexo, umbilicum semioccultante. — Diam. maj. 22, min. 19, alt. 17 mill. (Coll. Gray.)

*Helix despecta* Gray in Zool. of Beech. voy. p. 143. t. 38. f. 5.

Habitat Loo-Choo? (Gray.)

### 353. *H. Mighelsiana* Pfr.

*T.* umbilicata, globosa, solida, valide et confertim plicata, spiraliter obsolete striata, rufa vel lutescenti-fusca; spira conoideo-semiglobosa; anfr. 5 convexiusculi, ultimus ventrosus, antice vix descendens, circa umbilicum angustum compressus; apertura subverticalis, rotundato-lunaris; perist. rectum, albo-labiatum,

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\*) *T.* orbiculato-convexa, subglobosa, tenui, pellucida, transversim striata sub epidermide sordide flavescens lactea; anfr. 7 rotundatis; suturis profundiusculis; spira elevata; umbilico angusto; apertura rotundato-lunata, ad umbilicum subcoarctata; perist. subsimplici, intus linea eburnea incrassata. — Alt. 4 1/2, diam. 8 1/2 lin. — Ab *H. fruticum*, cui similis, distinguitur magnitudine minore, anfractuum numero, umbilico minus angustato, superficieque sine striis longitudinalibus. (Kryn. l. c.)

marginē columellari dilatato-patente. — Diam. maj. 49, min. 46½, alt. 45 mill. (Mus. Cuming.)

*Helix Mighelsiana* Pfr. in Proc. Zool. Soc. 1846. p. 110.

Habitat prope Surigao insulae Mindanao.

354. *H. fodiens* Pfr.

T. umbilicata, subglobosa, tenuiuscula, diaphana, rufo-cornea, oblique confertim plicata; anfr. 5½ convexiusculi, ultimus subangulatus; umbilicus angustus, pervius; apertura lunato-subcircularis, intus nitide carnea; perist. subexpansum, intus sublabiatum, marginē columellari dilatato, reflexo. — Diam. maj. 24, min. 18, alt. 45 mill. (Coll. Nr. 494.)

*Helix fodiens* Pfr. in Proc. Zool. Soc. 1845. p. 39.

— — *Phil.* Icon. L. 7. p. 154. t. 5. f. 10.

— — *Chemn.* ed. II. *Helix* N. 97. t. 17. f. 1. 2.

β. Minor, pallidior, anfr. 5: diam. maj. 49, alt. 42 mill. (Spec.)

γ. Testa tenui, striis longitudinalibus et spiralibus sub lente decussata, perist. subrecto.

Habitat in insula Luzon, α in prov. Iloconensi, β in prov. Cagayan, ubi semper terrae infossam legit Cl. Cuming; γ in insula Siquijor.

355. *H. Schuberti* Roth. †

T. globosa, ventricosa, perforata, foramine leviter-obtecto et rimam aequante, tenuis, rufescens, minutissime longitudinaliter striata; anfr. 6 planiusculi; apertura lunata; perist. reflexum, albo-labiatum, marginibus approximatis. (R.) — Diam. maj. 48½, min. 46, alt. 44 mill. (ex ic.)

*Helix Schuberti* Roth diss. p. 45. t. 1. f. 1. 2.

Habitat in sepulcris necropoleos dictae Cacamo Cariae.

356. *H. tourannensis* Souleyet.

T. umbilicata, conico-globosa, livide cornea, distincte et confertim striata, subdiaphana; anfr. 6 convexi, ultimus basi inflatus; umbilicus angustissimus, vix pervius; apertura lunato-rotundata; perist. carneum, acutum, intus valide albo-labiatum, marginē dextro expanso, columellari dilatato, reflexiusculo. — Diam. maj. 45, min. 44, alt. 43 mill. (Coll. Nr. 492.)

*Helix tourannensis* Soul. in Revue zool. 1842. p. 401.

— — *Chemn.* ed. II. *Helix* N. 96. t. 17. f. 3. 4.

— *globula* Lea obs. I. p. 170. t. 49. f. 70.

— *clausilis* Valenc. Mus. Paris.

Habitat in Cochinchina (Soul.), in China prope Canton (Lea).

\* Obs. Nomen a Cl. Valenciennes impositum ab epiphragmate calcareo, pone labium internum aperturam perfecte claudente.

**357. H. Ravergiensis Férussac.**

T. umbilicata, globoso-depressa, tenuis, subtiliter rugoso-striata, sub lente granulata, corneo-albida, pellucida, fascia lata subopaca albida ad suturam, angustiore alba ad peripheriam ornata; anfr. 6 convexiusculi, ultimus antice subdeflexus; apertura lunato-rotundata; perist. acutum, expansum, intus callo albo. acuto labiatum, margine columellari dilatato, umbilicum angustum: pervium semitegente. — Diam. maj. 16, min. 13, alt. 10 mill. (Coll. Nr. 193.)

*Helix Ravergiensis* Fér. in Bull. zool. 1835. p. 21.

— — Chemn. ed. II. Helix N. 222. t. 65. f. 1. 2.

— *Ravergii* Kryn. Bull. Mosc. IX. p. 182.

— *limbata* Kryn. Bull. Mosc. VI. p. 431. Nec Drap.

— *caucasica* Pfr. in Proc. Zool. Soc. 1845. p. 131.

Habitat in Caucaso.

**358. H. berytensis Férussac.**

T. umbilicata, depresso-globosa, tenuis, subpellucida, luteo-fulvicans, minutissime granulata; anfr. 5½ planiusculi, ultimus magnus, obsolete angulatus; umbilicus angustus; apertura lunato-rotundata; perist. simplex, intus labiatum, margine columellari reflexo, basali et dextro vix expansis. — Diam. maj. 16, min. 14, alt. 40½ mill. (Coll. Nr. 194.)

*Helix berytensis* (Helicella) Fér. pr. 260 et Mus.!

— — Pfr. Symb. I. p. 39.

— — Chemn. ed. II. Helix N. 93. t. 17. f. 11. 12.

— *granulata* Roth diss. p. 16. t. 1. f. 3. Nec Quoy.

Habitat in Syria, prope Berytum (Fér.), Cacamo (Roth).

**359. H. Rissoana Pfr.**

T. perforata, globosa, tenuis, striata, diaphana, vix nitida. rufa; spira conoidea, obtusiuscula; anfr. 6 convexiusculi, ultimus subangulatus, medio pallide cingulatus, antice breviter descendens, basi ventrosus; apertura magna, semicircularis; perist. intus rubello-labiatum, breviter expansum, margine columellari in laminam brevem, perforationem semioccultantem, reflexo. — Diam. maj. 18, min. 15½, alt. 13 mill. (Mus. Cuming.)

*Helix Rissoana* Pfr. in Proc. Zool. Soc. 1846. p. 110.

Habitat in Graecia.

**360. H. incarnata Müller.**

T. perforata, depresso-globosa, leviter carinata, tenuis, opaca, pruinosa, rufescens, pellucide unifasciata, minutissime

granulata; anfr. 6 convexiusculi, ultimus antice deflexus; apertura lunaris; perist. acutum, subreflexum, extus rufescens, intus labio incarnato, marginem non attingente, munitum. — Diam. maj. 46, min. 44½, alt. 9½ mill. (Coll. Nr. 495.)

*Helix incarnata* Müll. verm. II. p. 63. N. 259.

— — Chemn. IX. P. 2. p. 151. t. 133. f. 1206.

— — Drap. p. 100. t. 6. f. 30.

— — Lam. 94. p. 94. ed. Dh. p. 70.

— — C. Pfr. I. p. 33. t. 2. f. 15.

— — Rossm. I. p. 62. f. 10. VI. f. 364.

— — Chemn. ed. II. Helix N. 626. t. 97. f. 23—25.

— *sericea* Müll. verm. II. p. 62. N. 258. (H. incarn. juv. teste Beck.)

— *sylvestris* Hartm. Neue Alpina I. p. 240.

— . . . . Pér. hist. Livr. 34. t. 4. f. 20—22.

*Monacha incarnata* Fitzing. syst. Verz. p. 95.

*Bradybaena incarnata* Beck ind. p. 20.

*Fruticicola incarnata* Held in Isis 1837. p. 914.

β. Minor, umbilico fere prorsus oblecto:

*Helix tecta* Zgl. Mus.

γ. Solidior, opaca, aperturæ margine basali strictiusculo:

*Helix Welebitana* Stentz in sched.

Habitat in Germania, Gallia, Suecia etc., non in Britannia.

### 361. *H. vicina* Rossmäaler.

T. oblecte subperforata, depresso-globosa, corneo-lutescens, medio pellucide leucozona, granulato-alutacea; anfr. 6 vix convexiusculi, ultimus antice breviter descendens, basi medio impressus; apertura perobliqua, rotundato-lunaris; perist. patulum, albo-labiatum, margine columellari breviter dilatato, adnato, basali angulatim reflexo. — Diam. maj. 42½, min. 41½, alt. 8 mill. (Spec. coll. Rossm.)

*Helix vicina* Rossm. XI. p. 3. f. 689.

— — Chemn. ed. II. Helix N. 223. t. 65. f. 3. 4.

— *carpatica* Friv. ined. (teste Rm.)

Habitat in montibus Carpathicis (Frivaldsky).

### 362. *H. limbata* Draparnaud.

T. suboblecte perforata, depresso-globosa, subtilissime striata, pellucide corneo-lutescens, ad peripheriam subcarinata: carina alba, opaca; anfr. 6 planiusculi, ultimus antice non descendens; apertura lunaris; perist. reflexiusculum, leviter labiatum, margine columellari breviter dilatato, perforationem semitegente. — Diam. maj. 45, min. 43, alt. 9 mill. (Coll. Nr. 496.)

*Helix limbata* Drap. p. 100. t. 6. f. 29.

*Helix limbata* (Helicella) *Fér.* pr. 253.

— — *Lam.* ed. Dh. 429. p. 88.

— — *Rossm.* VI. p. 35. f. 362.

— — *Gray* Man. p. 143. t. 11. f. 132.

— — *Dupuy* moll. du Gers p. 16. N. 5.

— — *Chemn.* ed. II. *Helix* N. 94. t. 17. f. 15. 16.

*Bradybaena limbata* *Beck* ind. p. 48.

*Fruticicola limbata* *Held* in *Isis* 1837. p. 914.

Habitat in Gallia meridionali! et in Anglia?

### 363. *H. consona* Ziegler.

T. obtecte perforata, depresso-globosa, lutescenti-cornea, fascia intermedia pellucida, leviter striata, nitidula, pellucida; anfr.  $5\frac{1}{2}$  convexiusculi, ultimus antice vix descendens; apertura late lunaris; perist. rectum, acutum, intus albo-labiatum, marginibus remotis, columellari dilatato, perforationem angustam fere obtegente. — Diam. maj.  $14\frac{1}{2}$ , min. 13, alt.  $9\frac{1}{2}$  mill. (Coll. Nr. 497.)

*Helix consona* *Zgl. Mus. Rossm.* IX. p. 8. f. 572. 73.

— — *Phil.* Sicil. II. p. 106.

— — *Chemn.* ed. II. *Helix* N. 625. t. 97. f. 20—22.

— *ursula* *Fér.* Mus. Paris.?

*Bradybaena consona* *Beck* ind. p. 20.

*Fruticicola consona* *Held* in *Isis* 1837. p. 914.

Habitat in Sicilia.

### 364. *H. plebeja* Draparnaud.

T. subobtecte perforata, globoso-depressa, cornea, hirta, carina obtusa albo-pellucente; anfr. 6 vix convexiusculi; apertura lunaris; perist. reflexiusculum, albido-labiatum. — Diam. maj. 14, min. 11, alt. 9 mill. (Coll. Nr. 498.)

*Helix plebejum* *Drap.* p. 105. t. 7. f. 5.

— — *Lam.* ed. Dh. 98. p. 72.

— *plebeja* *Mich.* compl. p. 29.

— — *Chemn.* ed. II. *Helix* N. 627. t. 97. f. 26—28.

— *lurida* *Zgl. Mus.* — *C. Pfr.* III. p. 33. t. 6. f. 14. 15.

— — *Rossm.* VI. p. 35. f. 360.

*Bradybaena lurida* *Beck* ind. p. 20.

γ. Minor, tenera, opaca, perist. acuto, labio angustiore: diam. maj.  $10\frac{1}{2}$ , min. 9, alt.  $6\frac{1}{2}$  mill. (Spec.)

*Helix lurida* var. *Rossm.* VII. p. 4. f. 437.

— *separanda* et *pterididea* *Zgl. Mus.*

*Bradybaena plebeja* Beck ind. p. 20.

Habitat in Carniolia rarior; var.  $\beta$  in Carniolia, provincia Austriae littoralis et in monte Jura (Drap.).

Obs. 1. Etsi specimina Draparnaudiana in Mus. Caes. Vindobonensi servata ad *H. rufescentem* spectent, tamen ex icone et descriptione auctoris dubitare non possum, var. minorem *H. luridae* Zgl. veram esse *H. plebejam* Drap.

Obs. 2. *H. plebeja* Kryn. (Bull. Mosc. VI. p. 430.) pertinet ad *H. strigellam*.

### 365. *H. flicina* Schmidt.

T. perforata, depresso-globosa, pellucida, purpurascens, cornea, pilis brevissimis sparsis obsita; anfr. 6 lente accrescentes, ultimus albido-cingulatus; umbilicus angustus, apertus; apertura lunaris; perist. intus roseo-labiatum, margine columellari reflexiusculo. — Diam. maj. 9, min.  $8\frac{1}{2}$ , alt. 5 mill. (Coll. Nr. 499.)

*Helix flicina* Schmidt Mus. Pfr. Symb. I. p. 39.

— — Chemn. ed. II. *Helix* N. 638. t. 98. f. 31. 32.

Habitat in Carniolia (Schmidt).

Obs. Peraffinis *H. luridae*  $\beta$  Rossm.; distingui tamen potest colore, forma minus depressa, anfractibus angustioribus, umbilico, etc.

### 366. *H. rufescens* Pennant.

T. umbilicata, subgloboso-depressa, subcarinata, striatula, pallide rufescens; spira parum elata; anfr. 6 convexiusculi, ultimus albido-cingulatus, antice non deflexus; apertura ovato-lunaris; perist. patulum, remote albo-labiatum, margine columellari reflexiusculo. — Diam. maj. 44, min. 40, alt. 6 mill. (Coll. Nr. 200. Spec. Vindobon.)

*Helix rufescens* Pennant Britt. Zool. f. 34.

— — Montagu p. 420. t. 23. f. 2.

— — Gray Man. p. 156. t. 3. f. 28.

— — Chemn. ed. II. *Helix* N. 87. t. 16. f. 13—16.

— *circinnata* Stud. Verz. p. 42. Fér. pr. 268.

— — Rossm. I. p. 63. f. 42 a. VII. f. 422.

— *montana* C. Pfr. III. p. 33. t. 6. f. 40.

— *clandestina* Born. (teste Hartm.)

— *Altenana* Klees. (teste Fér.)

— *corrugata* et *clandestina* W. Hartm. in Neue Alpina I. p. 256.

— *turturum* Gmel. 169? (Mont.)

*Bradybaena rufescens* et *circinnata* Beck iud. p. 20.

*Fruticicola circinnata* Held in Isis 1837. p. 944.

*Trichia circinnata clandestina* Hartm. Gast. I. p. 425. t. 38.

$\beta$ . Minor:

*Helix caelata* Stud.

*Bradybaena caelata* Beck ind. p. 20.



γ. Major, depressior, saturatus rufa, latius umbilicata: diam. maj. 44. min. 42½, alt. 7 mill. (Spec. Heidelberg.)

*Helix montana* Stud. Verz. p. 42.

— *striolata* C. Pfr. III. p. 28. t. 6. f. 8.

— *circinnata* var. *montana* Rossm. I. p. 63. f. 426. VII. f. 423

— *rufina* Parr. in sched. Pfr. Symb. I. p. 39.

δ. Carina distinctiore:

*Helix Parreyssii* Fützing.

ε. Juvenis:

*Helix tomentosa* Adams. (Mont.)

Habitat in Germania passim, in Helvetia, Britannia.

### 367. *H. villosa* Draparnaud.

T. aperte umbilicata, orbiculato-depressa, villosa, lutescenti-cornea, opaca, striata, subalutacea, tenera; anfr. 5½ convexi. ultimus non deflexus; apertura ovato-lunaris; perist. subpatulum. intus labro tenui, lato, candido munitum, margine columellari reflexiusculo, subincrassato. — Diam. maj. 44, min. 42, alt. 7 mill. (Coll. Nr. 204.)

*Helix villosa* Drap. p. 404. t. 7. f. 48.

— — (Helicella) Fér. pr. 266.

— — C. Pfr. III. p. 27. t. 6. f. 5. 6.

— — Lam. ed. Dh. 449. p. 83.

— — Rossm. VII. p. 4. f. 424.

— — Chemn. ed. II. Helix N. 85. t. 46. f. 7. 8.

— *pilosa* v. Alt. p. 46. t. 40. f. 7.

*Bradybaena villosa* Beck ind. p. 20.

*Fruticicola villosa* Held in Isis 1837. p. 944.

Habitat in Bavaria, Helvetia, Gallia, Italia boreali.

### 368. *H. strigella* Draparnaud.

T. aperte umbilicata, depresso-globosa, striata, cornea, albedo-cingulata (fugacissime pubescens); anfr. 5½ — 6 planiusculi, ultimus antice descendens; apertura lunato-rotundata; perist. reflexiusculum, remote labiatum, marginibus approximatis, columellari dilatato. — Diam. maj. 45, min. 43, alt. 9½ mill. (Coll. Nr. 202.)

*Helix strigella* Drap. p. 84. t. 7. f. 4. 2.

— — (Helicella) Fér. pr. 265.

— — C. Pfr. I. p. 32. t. 2. f. 6.

— — Rossm. I. p. 64. f. 9.

— — Kryn. Bull. Mosc. IX. p. 476.

— — Lam. ed. Dh. 443. p. 80.

— — Chemn. ed. II. Helix N. 84. t. 46. f. 5. 6.

— *sylvestris* v. All. p. 69. t. 7. f. 43.

*Helix Altenana* Gärtn. Wett. p. 27.

— *plebeja* Kryn. Bull. Mosc. VI. p. 430.

— *apennina* Mühlf. Mus.

— *fruticosa* Parr. (teste Kryn.)

— *cornea* Hartm. Neue Alpina I. p. 229.

*Helicella strigella* Füzsing. syst. Verz. p. 95.

*Bradybaena strigella* Beck ind. p. 49.

• *Fruticicola strigella* Held in Isis 1837. p. 914.

♂. Major: diam. maj.  $48\frac{1}{2}$ , min. 46, alt. 44 mill.

♀. Minor, tenera, pallida:

*Helix strigella* var. Rossm. VII. p. 4. f. 438.

♂. Minor, subglobosa, angustius umbilicata: diam. maj. 43, min. 44, alt.  $8\frac{1}{2}$  mill. (Spec.)

♀. Minima: diam. maj.  $44\frac{1}{2}$ , min. 40, alt.  $6\frac{3}{4}$  mill. (Coll. Forbes.)

♀. Angustius umbilicata: diam. maj. 44, min. 42, alt. 9 mill. (Mus. Cuming.)

♀. Diaphana:

*Helix vitrinosa* Zgl.? (Beck.)

♀. Juvenis:

*Helix piligera* Andr. (teste Kryn.)

Habitat in Hassia, Saxonia, Silesia, Bavaria, Austria, Styria, Carinthia, Gallia, Helvetia, Hispania, Rossia, Caucaso; var.  $\beta$  in Transylvania,  $\gamma$  prope Dresdam (Rm.),  $\delta$  prope Griffen in valle Lavantae Carinthiae (!),  $\epsilon$  in insula Patmos (Forbes),  $\zeta$  ad Candahar Indiae orientalis (Benson).

### 369. *H. Orsinii* Porro. †

T. duriuscula, aperte umbilicata, depressa, leviter striata, supra alba, fascia unica cornea aut coffaea ornata, subtus omnino cornea vel coffaea; anfr. 6; umbilicus infundibuliformis; apertura ovata, oblongiuscula; perist. reflexiusculum, leviter labiatum, marginibus approximatis. — Diam. 42—48, alt. 6—9 mill. (Villa.)

*Helix Orsinii* Porro in Villa disp. syst. p. 54.

— — Phil. Sicil. II. p. 219.

Habitat in Italia meridionali (Porro); in Sicilia ad ripam Symaethi detexit Aradas.

Obs. Varietas videtur praecedentis.

### 370. *H. aristata* Kryaloki. †

T. orbiculato-convexa, depressiuscula, tenuis, pellucida, transversim profunde striata, aculeis brevibus hispida, aut granulis rarioribus scabra, sordide brunnescenti-cornea; anfr. 6? plano-rotundati; suturae profundae; umbilicus mediocris, profun-

dus; apertura rotundato-lunata; perist. subsimplex, intus tenue marginatum. — Diam. 8". (Kr.)

*Helix aristata* Kryn. in Bull. Mosc. IX. p. 179.

Habitat in Caucaso.

Obs. Species ex 4 specimine spira destituta descripta, quoad superficiem, formam externam et umbilicum ad II. strigellam accedens, testa aspera, granulis parce distributis et tota superficie, uti videtur, aristis brevibus, rigidis, rectis tecta, diversa. (Kr.)

### 371. *H. umbrosa* Partsch.

T. umbilicata, suborbiculato-depressa, obtuse carinata, tenuis, pellucida, cornea vel albido-lutescens, subtilissime granulata; anfr. 5 convexiusculi, ultimus vix deflexus; umbilicus infundibuliformis; apertura transverse ovalis; perist. intus tenuissime labiatum, simplex, expansum, marginibus approximatis. — Diam. maj. 13, min. 11, alt.  $6\frac{1}{2}$  mill. (Coll. Nr. 203.)

*Helix umbrosa* Partsch in Mus. Caes. Vindob.

— — *C. Pfr.* III. p. 27. t. 6. f. 7.

— — *Rossm.* I. p. 64. f. 13. VII. p. 1. f. 424. 25.

— — *Chemn.* ed. II. *Helix* N. 86. t. 16. f. 9—12.

— *concinna* a Jeffr. (teste Beck.)

*Helicella umbrosa* Fitzing. syst. Verz. p. 95.

*Bradybaena umbrosa* Beck ind. p. 20.

*Fruticicola umbrosa* Held in Isis 1837. p. 914.

Habitat in Austria (circa Vindobonam et Salisburgiam!), Bavaria (Berchtesgaden!), Saxonia (Tharand: Rm.), Carinthia, Styria.

### 372. *H. flavida* Ziegler.

T. aperte umbilicata, depressa, suborbiculata, arctispira, flavida, eleganter striato-costulata; anfr. 6 convexi, lente accrescentes; apertura subverticalis, lunaris; perist. rectum, acutum, intus levissime callosum. — Diam. maj. 10, min. 9, alt.  $5\frac{1}{2}$  mill. (Coll. Nr. 204.)

*Helix flavida* Zgl. Mus. Rossm. X. p. 13. f. 610.

— — *Phil.* Sicil. II. p. 106.

— — *Chemn.* ed. II. *Helix* N. 634. t. 98. f. 10—12.

— *flavescens* Parr. in sched.

— *striolata* Phil. Sicil. I. p. 129. Nec C. Pfr.

Habitat in Sicilia, in monte Pellegrino prope Panormum (Phil.).

### 373. *H. bifrons* Lowe.

T. umbilicata, orbiculato-convexiuscula, subcarinata, tenuis, nitida, concolor corneo-virescens, infra laeviuscula, obsolete striata, supra costulato-striata; spira vix elevata; sutura distincta, impressa; anfr. 7—8 lente accrescentes, ultimus basi convexus;

umbilicus minutus, cylindricus, profundus; apertura lunaris; perist. simplex, tenue, acutum, intus latissime albo-labiatum. — Diam. 6 — 7, axis  $2\frac{1}{2}$  — 3 lin. (Lowe.) — Diam. maj. 42, min. 40, alt. 5 mill. (Coll. Nr. 205.)

*Helix bifrons* Lowe Faun. Mader. p. 46. t. 5. f. 48.

— — Chemn. ed. II. Helix N. 698. t. 444. f. 23 — 25.

Habitat in sylvis insulae Maderae.

**374. *H. lentiginosa* Lowe. †**

T. rotundato-depressa, infra subplanulata, umbilicata, subcarinata, tenuis, maculata et subfasciata; spira convexo-depressa; sutura distincta; anfr. 5 convexiusculi, striato-scobinati vel squamuloso-cancellati; umbilicus mediocris, subpatulus, spiralis; apertura transverse ovalis, sublunata; perist. interruptum, reflexum. — Axis  $4\frac{1}{2}$ , diam.  $2\frac{1}{2}$  — 3 lin. (Lowe.)

*Helix lentiginosa* Lowe Faun. Mader. p. 49. t. 5. f. 25. (auct.)

*Ochthephila lentiginosa* Beck ind. p. 47.

Habitat in Maderae rupibus maritimis.

Obs. «*H. arridenti* affinis».

**375. *H. lentiginosa* Boissy.**

T. perforata, globoso-depressa, lutescenti-cornea, hispida, opaca, levissime subcarinata; apex glaber papillatus; anfr.  $5\frac{1}{2}$  planiusculi; apertura rotundato-lunaris; perist. subpatulum, acutum, intus levissime callosum, roseum, margine columellari reflexo. — Diam. maj. 44, min. 42, alt. 9 mill. (Coll. Nr. 206.)

*Helix lamuginosa* Boissy in Guér. mag. 1835. t. 69.

— — Terv. p. 22. t. 2. f. 46. 47.

— — Rossm. IX. p. 8. f. 574. 574.

— — Chemn. ed. II. Helix N. 630. t. 98. f. 7 — 9.

— *roseotincta* Forb. in Ann. mag. nat. hist. II. p. 250.

Habitat in insula Majorca, Palma (Boissy), circa Bugia, Oran, Bona, Constantine (Wagner, Terver, Forbes).

**376. *H. sericea* Draparnaud.**

T. perforata, subglobosa, cornea, pilis minutis, densis hirta; anfr. 5 convexiusculi, celeriter accrescentes; apertura late lunaris; perist. vix patulum, acutum, intus sublabiatum, margine columellari reflexiusculo, perforationem semitegente. — Diam. maj. 7, min. 6, alt. 4 mill. (Coll. Nr. 207.)

*Helix sericea* Drap. p. 403. t. 7. f. 46. 47.

— — Lam. ed. Dh. 447. p. 82.

— — Kryn. Bull. Mosc. IX. p. 186.

— — Rossm. VII. p. 2. f. 428.

*Helix sericea* Gray Man. p. 153. t. 11. f. 134.

— — Chemn. ed. II. Helix N. 636. t. 98. f. 25. 26.

— *pallescens* et *rubiginosa* Zgl.

— *piligera* Zgl. (Anton.)

*Monacha sericea* Fitz. syst. Verz. p. 95.

*Fruticicola sericea* Held in Isis 1837. p. 914.

β. Testa pallidissime cornea, apertura paulo depressiore: diam maj  $7\frac{1}{2}$ . min.  $6\frac{1}{2}$ , alt. 5 mill. (Spec.)

*Helix granulata* Alder Mag. Zool. and Bot. II. p. 107.

— — Gray Man. p. 154. t. 3. f. 29.

— *hispida* Jeffr. Linn. transact. XVI. p. 507.

— *sericea* var. Chemn. l. c. t. 99. f. 16—18.

γ. Major:

*Helix sericea* var. Rossm. VII. f. 429.

Habitat in Germania, Gallia, Helvetia, Anglia etc., Rossia, Caucaso; var. β in Britannia, Hibernia.

### 377. *H. ciliata* Venetz.

T. perforata, globoso-depressa, carinata, cornea, opaca, squamulis membranaceis transversim dispositis aspera; carina membranaceo-ciliata; anfr.  $4\frac{1}{2}$ —5 planiusculi; apertura lunato-ovalis; perist. reflexiusculum, fuscule-sublabiatum. — Diam. maj.  $8\frac{1}{2}$ . min.  $7\frac{1}{2}$ , alt. 5 mill. (Coll. Nr. 208.)

*Helix ciliata* Venetz in Stud. syst. Verz. p. 86.

— — Mich. compl. p. 23. t. 14. f. 27.

— — Lam. ed. Dh. 115. p. 81.

— — Rossm. VII. p. 3. f. 430.

— — Chemn. ed. II. Helix N. 637. t. 98. f. 27—30.

— *hirsuta* Jan Mantissa p. 2.

— *biformis* Zgl. Mus. (Beck.)

*Bradybaena biformis* Beck ind. p. 20.

β. Major: diam. maj.  $10\frac{1}{2}$ , min.  $9\frac{1}{2}$ , alt. 6 mill. (Spec.)

*Helix hispida* Risso IV. p. 72.

*Bradybaena ciliata* Beck ind. p. 20.

Habitat in alpinis Helvetiae et Tyroliae, β prope Como.

### 378. *H. actinophora* Lowe. †

T. orbiculata, depressa, basi convexior, subturgida, tenuis, unicolor, fusco-rufescens, acute carinata; spira convexiusculo-depressa, subplanulata; sutura distincta; anfr. 5 planati, striis creberrimis, tenuissimis, transversim undulatim laminosis, quibusdam ad carinam suturamve in laminas breves, membranaceas, lacinulasque acutas, radiantes, productis notati; umbilicus spiralis, parvus; apertura transversa, rotundato-ovalis, sublunata:

perist. interruptum, acutum, patulum, reflexum. — Diam. 4, axis 2 lin. (Lowe.) — Diam. 9½, alt. 5½ mill. (ex ic.)

*Helix actinophora* Lowe Faun. Mader. p. 45. t. 5. f. 14.

— — Lam. ed. Dh. 203. p. 125.

*Ochthephila actinophora* Beck ind. p. 18.

Habitat in Maderae sylvis.

### 379. *H. jejuna* Say. †

T. anguste umbilicata, subglobosa, glabra, pallide rufa; spira convexa; sutura impressa; anfr. 5 substriati, convexi; apertura late lunaris; labrum non reflexum, intus subincrassatum. — Diam. ½ poll. (Say.)

*Helix jejuna* Say in Philad. journ. II. p. 158.

Habitat in Florida orientali.

Obs. «Affinis *H. sericeae*, sed glabra».

### 380. *H. glabella* Draparnaud.

T. umbilicata, subdepressa, glabra, nitida, cornea; anfr. 5 — 5½ planiusculi, sensim accrescentes, ultimus obsolete angulatus, linea pallida circumdatus, antice subdeflexus; umbilicus angustus, pervius; apertura rotundato-lunaris; perist. rectum, acutum, intus sublabiatum, margine columellari reflexiusculo. — Diam. maj. 9½, min. 9, alt. 5 mill. (Coll. Nr. 209. Spec. gall.)

*Helix glabella* Drap. p. 102. t. 7. f. 6.

— — Lam. ed. Dh. 116. p. 82.

— — C. Pfr. I. p. 34. t. 2. f. 16?

— — Chemn. ed. II. *Helix* N. 633. t. 98. f. 16—18

— *sericea* var. Rossm. VII. p. 2.

*Helicella plebejum* Fitz. syst. Verz. p. 96?

*Bradybaena glabella* Beck ind. p. 20.

*Fruticicola glabella* Held in Isis 1837. p. 914.

Habitat in Gallia, rarissima in Germania.

Obs. Differt ab *H. sericea* testa cornea, epilata, spira depressa. etc. Umbilicus multo major, quam in *sericea*, minor, quam in hispida.

### 391. *H. pallidula* Pfr.

T. umbilicata, depressa, tenuis, pellucida, confertim striata, pallide cornea; anfr. 5½ convexiusculi, ultimus latior, depressus; apertura obliqua, late lunaris; perist. rectum, intus sublabiatum, margine columellari brevi, ad umbilicum angustum, in fundo coarctatum, dilatato-reflexo. — Diam. maj. 40, min. 8½, alt. 5 mill. (Coll. N. 210.)

*Helix pallidula* Pfr. in Zeitschr. f. Mal. 1846. p. 128.

*Helix pallidula* Chemn. ed. II. Helix N. 632. t. 98. f. 13—15.

Habitare dicitur in Chile.

Obs. Persimilis *H. glabellae*, umbilico latiore et apertura lata lunari praecipue diversa.

### 382. *H. depilata* C. Pfr.

T. umbilicata, subgloboso-depressa, striata, nitida, cornea; anfr. 6 angusti, convexi, ultimus obsolete angulatus, linea pallida circumdatus; umbilicus majusculus, pervius; apertura depressa, lunaris; perist. rectum, acutum, intus albo-labiatum, margine basali stricto, cum columellari brevissimo angulum formante. — Diam. maj. 8, min. 7, alt. 4 mill. (Coll. Nr. 244.)

*Helix depilata* C. Pfr. I. p. 35. t. 2. f. 18.

— — *Kryn.* Bull. Mosc. IX. p. 187?

— — *Chemn.* ed. II. Helix N. 635. t. 98. f. 22—24.

— *sericea* var.? *Rossm.* VII. p. 3.

*Bradybaena depilata* Beck ind. p. 20?

Habitat in Germania passim, e. g. Cassellis, Heidelbergae! In Russia (*Kryn.*)?

Obs. Affinis *H. hispidae*, a qua differt testa nitida, omnino epilata. apertura magis depressa et umbilico latiore. — Variat magnitudine.

### 383. *H. hispida* Linn.

T. aperte umbilicata, suborbiculato-depressa, cornea, pilis brevibus hispida, nitidula; spira convexa; anfr. 5—6 convexiusculi, angusti; apertura late lunaris; perist. patulum, intus albo-labiatum, labio in margine basali strictiusculo, acute prominente. — Diam. maj. 10, min. 9, alt. 5½ mill. (Coll. Nr. 242. Spec. casellan.)

*Helix hispida* Linn. syst. 675. p. 1244. ed. Gmel. 42.

— — *Müll.* verm. II. p. 73. N. 268.

— — *Drap.* p. 403. t. 7. f. 20.

— — *Lam.* 100. p. 92. ed. Dh. p. 73.

— — *Kryn.* Bull. Mosc. IX. p. 180.

— — *Rossm.* VII. p. 2. f. 426.

— — *Gray* Man. p. 154. t. 4. f. 44.

— — *Chemn.* ed. II. Helix N. 634. t. 98. f. 19—21.

— *sericea* C. Pfr. I. p. 34. t. 2. f. 17.

— *concinna* Jeffr. Linn. transact. XIII. p. 337.

— — *Gray* Man. p. 154. t. 12. f. 135.

*Helicella hispida* Fitz. syst. Verz. p. 96.

*Bradybaena hispida* Beck ind. p. 20.

*Fruticicola hispida* Held in Isis 1837. p. 914.

β. Minor, depressior: diam. maj. 6½, min. 5½, alt. 3½ mill. (Spec.)

*Helix hispida* C. Pfr. I. p. 36. t. 2. f. 20.

*Helix hispida*  $\beta$  et  $\gamma$  *Drap.* t. 7. f. 21. 22.

— — *min.* *Rossm.* VII. f. 427.

$\gamma$ ? Minor, subconica:

*Helix hispidula* *Jan* Mantissa p. 2. \*)

— *villosula* *Zgl.* Mus.?

Habitat frequens in Germania, Gallia, Suecia, Volhynia, Tauria etc.

384. *H. Lowei* *Pot.* et *Mich.* †

T. orbicularis, depressa, striata, umbilicata, solida, corneofusca, albido-maculata, maculis longitudinaliter irregulariterque sparsis, brunneo-fasciata; anfr. 5 convexi; sutura profunda; apertura subrotunda, acuta; infima facies convexa, striata. — Diam. 7—8, alt. 4 mill. (P. et M.)

*Helix Lowei* *Pot.* et *Mich.* gal. de Douai I. p. 94.

Habitat in insula Madera.

Obs. «*Similis H. conspurcatae*». (Conf. Nr. 439.)

385. *H. Tennesseensis* *Lea.* †

T. supra plano-convexa, subtus convexa, lutea, oblique striata, umbilicata; spira brevis; sutura subimpressa; anfr. 5 subconvexi; apertura lunata; labrum intus incrassatum. (Lea.) — Mensura?

*Helix Tennesseensis* *Lea* in *Proc. Am. ph. Soc.* 1844. II. p. 34.

Habitat in montibus Cumberlandianis: Tennessee.

§. 27.

386. *H. leucozona* *Ziegler.*

T. perforata vel umbilicata, turbinato-subglobosa, dilute rufescens, pellucide cingulata, subtiliter striata; anfr. 5—6 convexiusculi, ultimus non descendens; apertura lunaris, subdepressa; perist. vix patulum, exacte albo-labiatum, margine basali stricto. — Diam. maj. 42, min. 40½, alt. 7 mill. (Coll. Nr. 213. Spec. max.)

*Helix leucozona* *Zgl.* Mus. C. *Pfr.* III. p. 34. t. 6. f. 49. 20.

— — *Rossm.* VII. p. 3. f. 434—36.

— — *Chem.* ed. II. *Helix* N. 642. t. 99. f. 40—42. 22—24.

— *dolopida* *Jan* Mantissa p. 4.

*Petasia dolopidia* *Beck* ind. p. 24.

*Trochiscus dolopidus* *Held* in *Isis* 1837. p. 945.

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\*) T. subconica, umbilicata, diaphana, brunnea, hirta (2½" alt, 2" lata); apertura lunari; perist. simplici. (Jan l. c.) — Ital. bor.



$\beta$ . Umbilico paulo apertiore:

*Helix crassilabris* Mlf. (test. spec. coll. Anton.)

Habitat in Carinthia, Carniolia, provincia Austriae littorali et Italia boreali.

Obs. Pervariabilis quoad magnitudinem, spiram magis minusve elevatam et umbilici latitudinem.

### 387. *H. liminifera* Held. †

T. subdepressa, arcte umbilicata, cornea, badia, hispida, subcarinata: carina albida; apertura semilunaris, perdepressa; perist. subreflexum, intus toro eminente instructum. — Alt.  $4\frac{1}{2}$ , lat.  $2\frac{3}{4}$  lin. (H.)

*Helix liminifera* Held in Isis 1836. p. 273.

*Trochiscus liminiferus* Held in Isis 1837. p. 915.

Habitat in alpibus Bavariae.

Obs. An varietas praecedentis?

### 388. *H. bounoboena* Orbigny. †

T. orbiculato-convexa, umbilicata, diaphana, tenuis, laevigata, lucida, albida; spira convexa; anfr. 6; apertura subdepressa, obliqua; labrum crassum. — Long.  $4\frac{3}{4}$ , lat. 8 mill. (O.)

*Helix bounoboena* (Helicella) Orb. synops. p. 7.

— — Orb. voy. p. 253. t. 28. f. 17—20.

*Artemon bunobuenus* Beck ind. p. 48.

Habitat in provincia Chiquitensi Boliviae.

### 389. *H. hylephila* Orbigny. †

T. orbiculato-convexa, umbilicata, diaphana, albida, striata, subtus laevigata, lucida; spira subconica; anfr. 6; apex obtusus: apertura subrotunda, obliqua; labrum crassum. — Long. 5, lat. 8 mill. (O.)

*Helix hylephila* (Helicella) Orb. syn. p. 7.

— — Orb. voy. p. 253. t. 28. f. 13—16.

*Artemon hylephilus* Beck ind. p. 48.

$\beta$ . Minor: long.  $3\frac{1}{2}$ , lat. 6 mill.

*Helix ochthephila* Orb. synops. p. 7.

Habitat in prov. Chiquitensi Boliviae,  $\beta$  in prov. Missionum, ripis Paranae.

Obs. Locum huic speciei et antecedenti, mihi solum ex iconibus cognitum, assignatum, aptissimum non esse ex Cl. Beck distributione suspicor.

### 390. *H. Cobresiana* Alten.

T. perforata, conoideo-globosa, cornea, multispira, pubescens; anfr. 6. ultimus albido-cingulatus; apertura depressa.

lunaris; perist. patulum, intus labiatum, margine basali unidentato. — Diam. maj. 40, min. 9, alt.  $5\frac{1}{2}$  mill. (Coll. Nr. 244.)

*Helix Cobresiana* v. Allen p. 79. t. 9. f. 48.

— — Chemn. ed. II. Helix N. 644. t. 99. f. 7—9.

— *unidentata* Drap. p. 84. t. 7. f. 45. Nec Chemn.

— — C. Pfr. I. p. 22. t. 2. f. 4.

— — Rossm. I. p. 66. f. 45. VII. p. 3. f. 432. 33.

— *monodon* (Helicodonta) Fér. pr. 122.

— — Lam. ed. Dh. 485. p. 446.

— *pyramidea* β Hartm. Syst. p. 239.

*Comulus unidentatus* Fitz. syst. Verz. p. 94.

*Petasia Cobresiana* Beck ind. p. 24.

*Trochiscus unidentatus* Held in Isis 1837. p. 945.

β. Spira elatiore, dente basali obsoleto:

*Helix edentula* Drap. p. 80. t. 7. f. 44.

— *Cobresiana* var. Chemn. l. c. t. 99. f. 43—45.

γ. Minor, latius umbilicata:

*Helix unidens* Zgl. Mus.

*Petasia unidens* Beck ind. p. 24.

δ? Depressa, forma aperturæ ad H. leucozonam accedens, anfractibus angustissimis Cobresianæ: diam. maj. 7, min. 6, alt. 4 mill. (Spec.)

*Helix Cobresiana* var.? Chemn. ed. II. Helix t. 99. f. 49—24.

Habitat in Germania, Gallia, Italia passim, γ in summis alpidibus, δ in valle «Mürzthal» Styriæ.

### 391. *Helix bidens* (Trochus) Chemnitz.

T. obiecte perforata, turbinato-globosa, cornea, pellucide cingulata, superne eleganter costulato-striata, multispira; anfr. 6—7 vix convexiusculi; apertura depressa, trisinuato-lunaris; perist. subreflexum, albo- vel rufo-labiatum, basi intus bidentatum, extus scrobiculatum. — Diam. maj. 9, min.  $8\frac{1}{2}$ , alt. 6 mill. (Coll. Nr. 245.)

*Trochus bidens* Chemn. IX. P. 2. p. 50. t. 122. f. 4052 α, β.

*Helix bidentata* Gmel. 234. p. 3642.

— — (Helicodonta) Fér. pr. 124.

— — v. Alt. p. 77. t. 9. f. 47.

— — C. Pfr. III. p. 47. t. 4. f. 43. 44.

— — Mich. compl. p. 42. t. 44. f. 26.

— — Krym. Bull. Mosc. IX. p. 465.

— — Rossm. I. p. 65. f. 44.

— — Lam. ed. Dh. 486. p. 447.

— *bidens* Chemn. ed. II. Helix N. 640. t. 99. f. 4—6.

— *pyramidea* α Hartm. Syst. p. 239.

*Comulus unidentatus* var. *bidentatus* Fitz. syst. Verz. p. 94.

*Petasia fulva* Beck ind. p. 21.

*Trochiscus bidentatus* Held in Isis 1837. p. 915.

β. Major: diam. maj. 12, min. 11, alt. 9 mill.

*Helix bidentata major* Rossm. VII. p. 3. f. 434.

— *bidens* Zgl. Mus.

— *diodon* Parr. in sched.

*Petasia bidens* Beck ind. p. 21.

Habitat rarior in Germania, Gallia, Suecia, Volhynia.

Obs. Hanc speciem Cl. Beck veram *H. fulvam* Müll. (verm. II. N. 249) esse asserit, licet Müllerus etiam in specimine adulto dentes non observaverit.

### 392. *H. infrendens* Gould.

T orbiculata, depresso-conoidea, corneo-virescens, subcarinata, supra rugoso-striata, subtus glabra, nitida, regione umbilicali excavata; anfr. 7 convexiusculi; sutura impressa; apertura coarctata; labrum vix reflexum, callosum, margine basali sinuato, dentibus 2 complanatis majoribus, nonnullisque minoribus munito. — Diam. maj. 11, min. 10, alt. 5½ mill. (Mus. Cuming.)

*Helix infrendens* Gould in Bost. journ. IV. p. 453. t. 24. f. 6.

— — Chemn. ed. II. *Helix* N. 639. t. 99. f. 1—3.

Habitat in provincia Tavoy imperii Birmani.

Obs. Conf. *H. triaria* Nr. 4070 et labyrinthica Nr. 4083.

## §. 28.

### 393. *H. areolata* Sowerby.

T. perforata, orbiculato-conoidea, striata, nitidula, alba, lineis fuscis, interruptis varie ornata; spira depresso-conoidea; anfr. 5 convexiusculi, ultimus vix descendens, basi parum convexus; apertura rotundato-lunaris, intus fuscescens; perist. acutum, intus sublabiatum, margine columellari breviter arcuato, unidentato, dilatato, reflexo, perforationem fere tegente. — Diam. maj. 26, min. 23, alt. 18 mill. (Coll. Nr. 216.)

*Helix areolata* Sow. in Mus. Britt.

— — Pfr. in Zeitschr. f. Mal. 1845. p. 154.

— — Phil. Icon. II. 15. p. 184. t. 9. f. 4.

— — Chemn. ed. II. *Helix* N. 226. t. 36. f. 10—12.

β. Dente aperturæ obsoleto.

γ. Minor, globosa, dente aperturæ valido:

*Helix areolata* var. Chemn. l. c. t. 36. f. 13.

Habitat in California ad Columbia River (Ilinds).

### 394. *H. pisana* Müller.

T. angustissime perforata, subglobosa, albido-lutescens, spiraliter subtilissime lineata, diversissime castaneo-fasciata et

taeniata; anfr. 5 convexi; apertura dilatato-lunaris; perist. rectum, roseo-labiatum, margine columellari reflexo. — Diam. maj. 20, min. 18, alt. 44 mill. (Coll. Nr. 247.)

*Helix pisana* Müll. verm. II, p. 60. N. 255.

— — Lam. 64. p. 82. ed. Dh. p. 57.

— — Rossm. VI. p. 34. f. 359.

— — Gray Man. p. 158. t. 4. f. 30.

— — Morelet moll. du Port. p. 70.

— — Chemn. ed. II. Helix N. 428. t. 22. f. 4—6.

— *cingenda* Mont. p. 448. t. 24. f. 14.

— *strigata* Dilko. cat. II. p. 944.

— *zonaria* Penn. britt. zool. IV. 437. t. 85. f. 433.

— *rhodostoma* Drap. p. 56. t. 5. f. 43—45.

— *petholata* Olivi Adriat. p. 178.

— *damascena* Parr. (Anton.)

*Theba pisana* Risso IV. p. 73.

— — Beck ind. p. 44.

*Xerophila pisana* Held in Isis 1837. p. 943.

*Euparypha rhodostoma* Hartm. Gast. I. p. 204. t. 79. 80.

Descript. de l'Egypte, Zool. II. t. 2. f. 44—46.

β. Major, testa sphaeroidea.

*Helix pisana* var. Rossm. X. p. 45. f. 644.

γ. Minor, subdepressa, umbilico subclauso:

*Helix alboranensis* Webb et Berth. (teste Beck.)

— *pisana* var. Chemn. ed. II. Helix t. 37. f. 4—12.

δ. Minor, sphaeroidea, umbilico oblitterato:

*Helix sardoa* Zgl.

ε. Alba, periomphalo roseo vel fusco:

*Helix albina* Zgl.

ζ. Junior, carinata:

*Helix albina* Müll. verm. II. p. 25. N. 226? (Conf. Nr. 1093.)

— *leucas* Linn.? (Conf. Nr. 4445.)

*Carocolla Cinae* Menke synops.?

Habitat in littoribus maris Mediterranei, Adriatici, etc., nec non in Anglia; var. β in Lusitania, γ in maritimis ins. canar. et Maderae, δ in Sardinia, ε in Dalmatia et Algeria prope Oran.

### 395. *H. Dehnai* Rossmäaler.

T. imperforata, subglobosa, solidula, subtilissime reticulata, alba, superne fascia 4 latiuscula, subtus angustioribus pluribus luteo-fuscis ornata; spira brevis, plane fornicata; anfr. 5 planiusculi, ultimus ad peripheriam obtuse angulatus, antice parum descendens, basi inflatus; apertura subverticalis, depressa, lunaris, intus cum fauce rosea; perist. rectum, intus rubello-labiatum, margine supero brevi, basali subhorizontali, columellari dilatato,

reflexo-appresso. — Diam. maj. 48, min.  $45\frac{1}{2}$ , alt. 13 mill. (Coll. Nr. 248.)

*Helix Dehnei* Rossm. in Zeitschr. f. Mal. 1846. p. 173.

— — Chemn. ed. II. Helix N. 229. t. 36. f. 22—24.

Habitat in Africa? Invenit Dr. Dehne inter Gummi arabicum.

### 396. *H. subdentata* Férussac.

T. obtecte perforata, globosa, solida, striatula, sub lente minutissime decussata, alba vel fusco-lineolata; anfr. 5, summi planiusculi, ultimus rotundatus, basi convexus; columella brevissima, rectiuscula; apertura late lunaris, intus cum fauce unidentata rosea; perist. rectum, intus remote et crasse labiatum, fuscum. marginibus callo fusco junctis. — Diam. maj. 49, min. 46, alt. 14 mill. (Mus. Cuming.)

*Helix subdentata* (Helicella) Fér. pr. 294. Hist. t. 27. f. 1. 2.

— — Wood suppl. t. 7. f. 5.

— — Chemn. ed. II. Helix N. 54. t. 40. f. 43. 44

— *subcarinata* Menke synops. p. 75. ed. 2. p. 126.

— — Voigt in Cuvier Thierry. III. p. 56.

*Theba subdentata* Beck ind. p. 15.

β. Juvenis:

*Carocolla Cinae* Klett, Mke synops. p. 24?

Chemn. IX. f. 1405?

Habitat in Persia? (Fér.)

### 397. *H. Seetzeni* Koch.

T. angustissime perforata, depresso-globosa, solidula, cretacea, striata; spira parum elata, vertice subtili; anfr.  $5\frac{1}{2}$  convexiusculi, ultimus ventrosus, antice parum descendens; apertura lunari-subcircularis, intus alba; perist. rectum, acutum, intus labiatum, marginibus convergentibus, columellari subdilato, valde arcuato. — Diam. maj.  $49\frac{1}{2}$ , min. 47, alt. 13 mill. (Coll. Nr. 249.)

*Helix Seetzeni* Koch in Zeitschr. f. Mal. 1847. p. 44.

— — Chemn. ed. II. Helix N. 231. t. 37. f. 43. 44.

Habitat in ora occidentali Maris mortui inter Dschidda et Jericho. ubi legit def. Seetzen.

### 398. *H. levis* Pfr.

T. perforata, globosa, tenuis, levis, oblique striata, obsolete granulata, albida, punctis seriatis vel fasciis pellucide corneis varie ornata; spira brevis, acutiuscula; anfr. 5 vix convexiusculi, ultimus inflatus; apertura rotundato-lunaris, intus concolor vel fulvida; perist. acutum, intus sublabiatum, margine columellari

superne dilatato, fornicatim reflexo, perforationem fere tegente.  
— Diam. maj. 46, min. 44, alt. 43 mill. (Coll. Nr. 220.)

*Helix levis* Pfr. in Zeitschr. f. Mal. 1845. p. 452.

— — Chemn. ed. II. Helix N. 228. t. 36. f. 46. 47.

β. Margine columellari dente unico, obtuso, calloso instructo.

Habitat in California ad Columbia River.

### 399. *H. decorata* Pfr.

T. perforata, depresso-globosa, tenuis, striatula, albida, taeniis variis interruptis castaneis, interdum confluentibus decorata; spira brevis, obtusa; anfr. 4½, convexi, ultimus descendens; apertura rotundato-lunaris, intus livido-fusca; perist. acutum, intus vix labiatum, margine columellari membranaceo, dilatato, fornicatim reflexo. — Diam. maj. 48, min. 46, alt. 42 mill. (Coll. Nr. 224.)

*Helix decorata* Pfr. Symb. III. p. 69.

— — Chemn. ed. II. Helix N. 227. t. 36. f. 44. 45.

Habitat . . . ?

### 400. *H. globuloides* Terver. †

T. umbilicata, subglobosa, alba, aliquando fasciata, vel grisea, minutissime striata; anfr. 6, ultimus planulatus; apertura rotundata; perist. marginatum, acutum; spira obtusa, vertice nudo, fusco. — Diam. 40, alt. 5 lin. (T.) — Diam. maj. 22, min. 19, alt. 15 mill. (ex ic.)

*Helix globuloides* Terv. cat. p. 26. t. 3. f. 5—7.

Habitat in Algeria.

### 401. *H. turbinata* Jan.

T. perforata, conico-globosa, solidiuscula, minute striata, alba, fasciis et flammulis fuscis variegata; anfr. 5½, convexiusculi, ultimus inflatus; apertura lunato-rotundata; perist. simplex, intus labiatum, margine columellari subreflexo, perforationem angustissimam semitegente. — Diam. maj. 44½, min. 40, alt. 9½ mill. (Coll. Nr. 222.)

*Helix turbinata* Jan Mantissa p. 2.

— — Chemn. ed. II. Helix N. 235. t. 37. f. 47. 48.

Habitat in Sicilia (Jan)? In insula Syra (Spratt, Forbes)!

### 402. *H. pellucens* Shuttleworth.

T. perforata, conoideo-globosa, tenuis, oblique confertissime striata, diaphana, pallide fulvescens, lincis et fasciis saturatioribus, saepe interruptis ornata; spira conoidea, acutiuscula; anfr. 6 convexiusculi, ultimus antice non descendens, basi ventrosus; aper-

tura lunato-circularis; perist. acutum, intus sublabiolum, margine columellari membranaceo, breviter reflexo. — Diam. maj.  $4\frac{2}{3}$ , min. 4, alt. 9 mill. (Mus. Cuming.)

*Helix pellucens* Shuttl. in sched. Cum.

Habitat in insula Corsica.

#### 403. *H. Roseti* Michaud.

T. perforata, semigloboso-conica, distincte costulato-striata, sordide albida, fascia 4 interrupta rufa et maculis fuscis seriatis ornata; spira elevata, conica; anfr. 6 convexiusculi, ultimus obsolete subangulatus, antice non descendens; apertura rotundato-lunaris; perist. acutum, rectum, intus sublabiolum, margine columellari subdilato, perforationem non occultante. — Diam. maj.  $8\frac{1}{2}$ , min. 8, alt.  $6\frac{1}{2}$  mill. (Coll. Nr. 223.)

*Helix Roseti* Mich. cat. d. coq. d'Alg. p. 6. t. 4. f. 17. 18.

— — *Lam.* ed. Dh. 441. p. 94.

— — *Webb et Berth.* syn. p. 317.

— — *Orb.* canar. p. 62. t. 4. f. 32—34.

— — *Chemn.* ed. II. *Helix* N. 236. t. 37. f. 49. 20.

*Theba Roseti* Beck ind. p. 44.

β. *Hel. phalerata* Webb et Berth. syn. p. 325. (Orb.)

Habitat in Algeria, Morea et in insula Canaria.

#### 404. *H. melanogramma* Jan. †

T. globosa, subperforata, alba, 40 — 42 lineis nigris circumdata; apertura lunato-ovata; perist. submarginatum. — Lat. 6, alt.  $3\frac{1}{2}$  lin. Apert. diam. long.  $3\frac{1}{2}$ , transv. 3 lin. (Jan.)

*Helix melanogramma* Jan Mantissa p. 2.

Habitat in Sicilia meridionali.

#### 405. *H. lemniscata* Webb et Berthelot.

T. obtecte perforata, turbinata, oblique distincte striata, fuscidula vel alba, rufo- vel nigricanti-fasciata: fasciis pluribus, saepe interruptis; spira elata, conica, apice acutiuscula; anfr. 6 planiusculi, ultimus non descendens, basi subplanulatus; apertura rotundato-lunaris; perist. rectum, intus fusco-sublabiolum, margine columellari brevi, subverticali, reflexiusculo, perforationem omnino tegente. — Diam. maj. 9, min.  $8\frac{1}{2}$ , alt. 7 mill. (Coll. Nr. 224.)

*Helix lemniscata* Webb et Berth. synops. p. 317.

— — *Orb.* canar. p. 64. t. 4. f. 23.

— — *Chemn.* ed. II. *Helix* N. 237. t. 38. f. 24—26.

Habitat in rupibus insulae Canariae, prope urbem Palmarum.

**406. H. Michaudi Deshayes.**

T. obiecte subperforata, globuloso-conoidea, ruguloso-striata, nitida, fusco-albida, fasciis 3 castaneis ornata; spira elevata, obtusa; anfr. 7 planiusculi, ultimus basi vix convexior, antice non descendens; apertura depressa, lata, lunaris; perist. acutum, intus labiatum, marginibus remotis, columellari brevi, subverticali, reflexo, perforationem angustissimam tegente. — Diam. maj. 6, min.  $5\frac{3}{4}$ , alt.  $4\frac{1}{4}$  mill. (Coll. Nr. 225.) — Diam. usque 5—6 lin. (Dh.)

*Helix Michaudi Desh.* in Encycl. méth. II. p. 263. N. 444.

— — *Lam.* ed. Dh. 449. p. 98.

— — *Chemn.* ed. II. Helix N. 238. t. 38. f. 27—29.

— *bicolor* Lowe Faun. Mader. p. 58. t. 6. f. 22. (auct.)

*Theba Michaudi Beck* ind. p. 44.

*Obeus Michaudi Hartm.* Gast. I. p. 467. t. 57. f. 4—3??

Habitat in summo cacumine montis Pico de Facho insulae Portosancto (Lowe), Teneriffa (Desh.).

§. 29.

**407. H. subrostrata Férussac.**

T. umbilicata, conoideo-globosa, solida, confertim argute striata, alba, apice nitida, cornea; anfr. 6— $6\frac{1}{2}$  convexiusculi, lente accrescentes, ultimus antice non deflexus, reliquis paulo major; umbilicus mediocris, pervius; apertura lunato-rotundata; perist. acutum, intus labiatum, marginibus conniventibus, columellari subdilatato. — Diam. maj. 48, min. 46, alt. 44 mill. (Coll. Nr. 226.)

*Helix subrostrata* (Helicella) Fér. pr. 287.

— — *Terv.* cat. p. 25. t. 3. f. 8.

— — *Chemn.* ed. II. Helix N. 232. t. 37. f. 15. 16.

β. Minor, interrupte fasciata: Terv. t. 3. f. 9.

Habitat in Hispania, Almeria (Fér.), Algeria, Mostaganem (Terv.).

**408. H. virgata Montagu.**

T. anguste umbilicata, depressio-turbinata, laevigata, albida vel sordide lutescens, fasciis fuscis, saepe interruptis, multimode ornata; spira subelevata, apice cornea; anfr. 5—6 convexiusculi, ultimus antice vix descendens; apertura lunato-rotundata; perist. rectum, acutum, intus fusco-labiatum, marginibus conniventibus, columellari dilatato, patente. — Diam. maj. 49, min. 47, alt. 42 mill. (Coll. Nr. 227. Spec. Tergest.)

*Helix virgata Mont.* p. 445. t. 24. f. 4.

— — *Turt. Man.* p. 40. f. 34.

— — *Fleming* Brit. anim. p. 264.



*Helix virgata* Gray Man. p. 160. t. 4. f. 31.

— — Chemn. ed. II. *Helix* N. 129. t. 22. f. 15. 16. 19. 20.

— *variabilis* Drap. p. 84. t. 5. f. 11. 12.

— — Lam. 65. p. 83. ed. Dh. p. 58.

— — C. Pfr. III. p. 28. t. 6. f. 13.

— — Rossm. VI. p. 31. f. 356.

— — Dupuy Moll. du Gers p. 16. N. 4.

— — Morelet moll. du Port. p. 72.

— *ericetorum* Chemn. IX. f. 1194. 95?

— *pisana* Dilko. cat. II. p. 911.

— *striata* Brard p. 36. t. 2. f. 5. 6.

— *zonaria* Donovan. II. t. 65.

— — a Penn. Britt. Zool. IV. p. 137. t. 85. f. 133<sup>a</sup>.

— *subalbida* Poiret prodr. p. 83.

*Theba virgata* Beck ind. p. 14.

*Xerophila variabilis* Held in Isis 1837. p. 913.

β. Unicolor, alba, spira paulo elatiore: diam. maj. 17. min. 14½. alt 11—12 mill. (Spec. prope Monfalcone a me lecta.)

*Helix variabilis* var. C. Pfr. III. t. 6. f. 10.

— — — Rossm. VI. f. 356 c.

— — Philippi Sicil. I. p. 132.

γ. Parvula, alba, obsolete carinata:

*Helix obsoleta* Zgl.

δ. Parvula, alba, fasciis nonnullis fuscis: diam. maj. 10, min. 9, alt. 6 mill.

*Helix agreabilis* Zgl.

ε. Fasciis interruptis, moniliformibus, fuscis:

*Helix monilifera* Mke syn. ed. 2. p. 22.

— *meridionalis* Parr.

— *maculosa* Zgl.

ζ. Eadem fasciis nigris:

*Helix moesta* Parr. in sched.

η. Testa distinctius striata, anfractu ultimo obsolete carinato, apertura saepe bilabiata:

*Helix Terverii* Mich. compl. p. 26. t. 14. f. 20. 21.

— — Rossm. VI. f. 354 d. IX. p. 7. f. 565. 66.

— *cisalpina* Jan?

*Theba Terverii* Beck ind. p. 12.

*Xerophila Terverii* Held in Isis 1837. p. 913.

θ. Monstrosa, anfractibus distortis:

*Helix elegans* Brown in Wern. transact. VI. p. 528. t. 24. f. 9.

— *disjuncta* Turt. Conch. dict. 64. f. 63.

Habitat in littoribus europaeis: Britanniae, Galliae, Illyriae, Italiae. Dalmatiae, Siciliae, Hispaniae etc., nec non in Africa.

Obs. Huc referendae varietates in collectionibus dispersae sub nominibus *H. aegyptiacae* Parr., *egregiae*, *festivae*, *decorae*, *multifariae*, *nebulosae*, *pustulosae* Zgl., *istriensis* Mf., *sionestae* Hartm., *Menkeanae* Stentz, etc.

409. *H. cretica* **Férussac.**

T. umbilicata, depresso-globosa, oblique striatula, sordide alba, fasciis fuscis interruptis varie picta; anfr. 6 convexiusculi. sensim accrescentes; umbilicus mediocris, pervius; apertura lunato-rotundata; perist. acutum, rectum, intus tenuissime labiatum. — Diam. maj. 46, min.  $44\frac{1}{2}$ , alt.  $40\frac{1}{2}$  mill. (Coll. Nr. 228.)

*Helix cretica* (Helicella) *Fér.* pr. 288 et Mus.!

— — *Pfr.* Symb. I. p. 40.

— — *Chemn.* ed. II. *Helix* N. 233. t. 37. f. 21. 22.

Habitat in insulis Candia, Rhodo, Naxo. (*Fér.*)

Obs. Differt ab *H. virgata* praesertim anfractibus lente crescentibus. peristomate simpliciusculo et umbilico latiore.

410. *H. simulata* **Férussac.**

T. perforata, globoso-turbinata, regulariter costulato-striata, albida vel grisea, fusco vel spadiceo interrupte fasciata; spira conoidea, apice obtusa; anfr. 5 convexiusculi; apertura lunato-subcircularis; perist. acutum, intus labiatum, marginibus conniventibus, columellari vix reflexiusculo. — Diam. maj. 43, min. 42, alt. 40 mill. (Coll. Nr. 229.)

*Helix simulata* (Helicella) *Fér.* pr. 289 et Mus.!

— — *Ehrenb.* Symb. phys. \*)

— — *Webb* et *Berth.* synops. p. 345.

— — *Chemn.* ed. II. *Helix* N. 234. t. 37. f. 23. 24.

*Descr. de l'Egypte* t. 2. f. 13.

Habitat in Syria, Egypto (*Ehrenb.*), ad littora Fuerteventurac et Lancerottae (*Webb* et *Berth.*).

411. *H. submartima* **Desmoulin.**

T. umbilicata, depressa, suborbiculata, lutescenti-albida, subtus subtiliter fuscato-variegata et fasciolata, subcarinata; spira convexa; anfr.  $5\frac{1}{2}$  convexiusculi, ultimus vix descendens; apertura rotundato-lunata; perist. rectum, acutum, intus leviter labiatum. — Diam. maj. 44, min.  $41\frac{1}{2}$ , alt.  $7\frac{1}{2}$  mill. (Coll. Nr. 230.)

*Helix submartima* *Desm.* *Rossm.* IX. p. 8. f. 575.

Habitat in Africa boreali, Oran (*Terv.*).

412. *H. maritima* **Draparnaud.**

T. perforata, parva, conoideo-globosa, subcarinata, alba, fasciis et maculis striatis fuscis multimode varians; anfr. 5 planiusculi; apertura rotundato-lunata; perist. rectum, acutum,

\*) T. subglobosa, umbilicata, subconiformi, fasciolata, striata; apertura subrotunda; perist. marginato, albo; anfract. 5 —  $5\frac{1}{2}$  rotundatis. — Diam. 6. alt. 5 lin. (*Ehrenb.* I. c.)

fuscum, intus albo-labiatum. — Diam. maj. 9, min. 8, alt.  $6\frac{3}{4}$  mill. (Coll. Nr. 234.) — Diam. maj. 11, min.  $9\frac{1}{2}$ , alt. 8 mill. (ex ic. Drap.)

*Helix maritima* Drap. p. 85. t. 5. f. 9. 10.

— — (Helicella) Fér. pr. 299.

— — Lam. 88. p. 89. ed. Dh. p. 68.

— — Rossm. X. p. 14. f. 612.

— — Chemn. ed. II. Helix N. 135. t. 23. f. 1. 2.

*Theba maritima* Beck ind. p. 12.

Habitat in littore meridionali Galliae et in Teneriffa. (Webb et Berth. syn. p. 346.)

Obs. Inter varietates *H. virgatae* forsitan enumeranda foret.

#### 413. *H. monilifera* Webb et Berthelot. †

T. globosa, depressiuscula, subconica, obsolete striata, albocinereascens, fasciis angustis, interruptis, nigro-fuscis; anfr. 6; apertura suborbicularis; vertex acutiusculus. — Axis 2—3, diam.  $3—3\frac{1}{2}$  lin. (W. et B.)

*Helix monilifera* Webb et Berth. syn. p. 345.

— — Orb. canar. p. 61. t. 1. f. 21. 22.

Habitat in ora maritima insularum Canariae, Fuerteventurae et Lancerottae, locis apricis calidis.

#### 414. *H. contermina* Shuttleworth.

T. perforata, conico-globosa, tenuiuscula, confertim plicatula, sordide alba, corneo-marmorata; spira conica, apice obtusa; anfr. 6 perconvexi, regulariter accrescentes, ultimus basi convexiusculus; apertura lunaris; perist. acutum, intus sublabiatum, margine columellari superne subdilatato, patente, perforationem non tegente. — Diam. maj. 6, min.  $5\frac{2}{3}$ , alt.  $5\frac{2}{3}$  mill. (Mus. Cuming.)

*Helix contermina* Shutt. in sched. Cuming.

Habitat in insula Corsica.

\* \* \*

#### 415. *H. pyramidata* Draparnaud.

T. umbilicata, orbiculato-pyramidata, striatula, albida, unicolor vel varie fusco-fasciata et variegata; spira conica, obtusa; anfr. 6 convexi, ultimus basi planiusculus, antice non descendens; apertura depressa, late lunaris; perist. rectum, intus labiatum. — Diam. maj. 11, min. 10, alt.  $7\frac{1}{2}$  mill. (Coll. Nr. 232.)

*Helix pyramidata* Drap. p. 80. t. 5. f. 6.

— — (Helicella) Fér. pr. 298.

— — Lam. ed. Dh. 108. p. 77.

*Helix pyramidata* Rossm. VI. p. 25. f. 349.

— — Chemn. ed. II. *Helix* N. 433. t. 22. f. 7—10.  
t. 23. f. 14—17.

*Theba pyramidata* Risso IV. p. 74.

— — Beck ind. p. 41.

*Xerophila pyramidata* Held in Isis 1837. p. 913

† Testa subcarinata, costulata:

*Helix pyramidatu* var. Phil. Sicil. II. p. 110.

— — — Rossm. XI. p. 3. f. 690.

Habitat in littoribus maris Mediterranei: Galliae, Italiae, Siciliae, Graeciae, var.  $\beta$  prope Tarentum (Phil.)

Obs. Huc referendae: *H. agnata*, *arenaria*, *littoralis*, *sabulosa* et *specabilis* Zgl., *Requienii* Jenais.

### §. 30.

#### 416. *H. caespitum* Draparnaud.

T. umbilicata, globoso-depressa, striata, alba, plerumque fusco-multifasciata; spira parum elevata, obtusa; anfr. 6 convexiusculi, ultimus magnus, teres, antice vix descendens; umbilicus mediocris, pervius; apertura lunato-rotundata; perist. rectum, acutum, albo-labiatum, marginibus conniventibus, columellari subdilato, patente. — Diam. maj. 20, min. 17, alt. 40 — 44 mill. (Coll. Nr. 233. Spec. gall.)

*Helix caespitum* Drap. p. 409. t. 6. f. 14—15.

— — (Helicella) Fér. pr. 283.

— — Lam. 68. p. 84. ed. Dh. p. 60.

— — C. Pfr. III. p. 29. t. 6. f. 41. 42.

— — Rossm. I. p. 66. f. 46. VIII. p. 33. f. 543—45.

— — Chemn. ed. II. N. 430. t. 22. f. 17. 18.

— *itala* Linn. XII. 683. Gmel. 81. p. 3636?

— *fasciolata* Poir. prodr. p. 79?

— . . . . Fér. hist. t. 85. f. 5—8.

*Theba caespitum* Beck ind. p. 44.

*Xerophila caespitum* Held in Isis 1837. p. 913.

*Helicella Eurythmia* Hartm. Gast. I. p. 443. t. 44. f. 5—7.

‡ Major: diam. maj. 25, min. 24, alt. 44 mill. (Spec. gall.)

*Helix caespitum* var. Rossm. X. p. 42. f. 597.

*Helicella Eurythmia* Hartm. l. c. f. 1—4.

‡ Spira vix elevata, testa fusco-cornea, albo-fasciata: diam. maj. 17, min. 14, alt. 8½ mill. (Spec. sicil.)

‡ Praecedenti similis, alba, fasciis castaneis denticulatis.

Habitat in Gallia, Italia, Sicilia, Lusitania, Hispania etc., var.  $\delta$  in Caucaso.

Obs. Huc referendae in collectionibus dispersae: *H. leucophaea* Parr., *frutetorum* et *introducens* Zgl., etc.

417. *H. sphaerita* Hartmann. †

T. aperte umbilicata, depressa, striata, alba, obsolete fasciata; sutura profunda; anfr.  $6\frac{1}{2}$  convexiusculi; apertura lunato-rotunda, marginibus distantioribus, perist. albo-labiatum. (Hartm.) — Diam. maj. 22, min. 19, alt. 13 mill. (ex ic.)

*Helicella sphaerita* Hartm. Gast. I. p. 147. t. 46. f. 4—6.

β. *H. palmarum* Parr. Hartm. l. c. t. 46. f. 1—3.

Habitat in Algeria prope Oran, var. β in Egypto.

418. *H. Krynickii* Andrzejowski.

T. rimato-perforata, depressa, striatula, nitida, nivea, apice cornea, fasciis variis nigris, ad basin fuscidulis, interruptis ornata; anfr.  $5\frac{1}{2}$ —6 vix convexiusculi, ultimus inflatus, subdeviatus; umbilicus angustus, rimaeformis, non pervius, anfractum penultimum modo exhibens; apertura lunato-subcircularis; perist. acutum, intus albo-labiatum, marginibus conniventibus. — Diam. maj. 46, min. 43, alt. 8 mill. (Coll. Nr. 234.)

*Helix Krynickii* Andr. Bull. Mosc. VI. p. 434.

— — *Kryn.* in Bull. Mosc. IX. p. 195. \*)

— — *Chemn.* ed. II. *Helix* N. 240. t. 38. f. 1—3.

— *cespitem* var.? *Fér.* in Bull. zool. 1835. p. 21.

— *Babondubii* Parr. in sched. Ant. Verz. p. 37.

— — *Pfr.* Symb. II. p. 23.

Habitat in Tauria et in Croatia.

Obs. Ex specimine authentico cognovi, *H. Babondubii* esse eandem speciem.

419. *H. obvia* Hartmann.

T. aperte umbilicata, plana, striata, glabrata, alba, fusco-fasciata et lineata; anfr. 5 convexiusculi; apertura lunato-rotundata; perist. album, duplo-labiatum. — Diam. 46, alt. 7 mill. (Htm.) — Coll. Nr. 235?

*Helix obvia* (*Helicella*) Hartm. Gast. I. p. 148. t. 45.

— — *Zgl.*? (Htm.)

— *neglecta* Hartm. in Sturm Fauna VI. 7. N. 9.

— *formosa* Parr. in sched.?

Habitat in Germania, Bohemia, Austria, Croatia, Italia.

Obs. Num ab *H. cespitem* satis diversa?

\*) T. orbiculato-convexa, depressiuscula, subtus convexa, tenui, pellucida, nitida, transversim striolata, tota flavescenti-albida, aut fasciis lineisque subdentatis, subtus saepe interruptis, fuscis nigrisve longitudinalibus ornata; anfr. 6 planulatis, ultimo incrassato; sutura tenui; spira parum exserta, apice fusco; umbilico mediocri spiraliter coarctato, cum labio a se remoto; apertura lunato-rotundata; perist. simplici, intus vix marginato, concolore. — Alt. 4. diam. 8 lin. — Distinguenda videtur ab *H. cespitem*: perist. concolori, non violaceo, intus vix incrassato, et umbilico diverso modo constructo. (*Kryn.* l. c.)

420. *Hel. ericetorum* Müller.

T. late umbilicata, depressa, striata, albida vel pallide fuscens, concolor vel fasciis variis fuscis et corneis ornata; spira vix elevata; anfr. 6 convexiusculi, ultimus cylindricus, antice deflexus; apertura subcircularis; perist. rectum, intus leviter labiatum, marginibus approximatis. — Diam. maj. 47, min. 44½, alt. 8 mill. (Coll. Nr. 236. Spec. typ. Hass.)

*Helix ericetorum* Müll. verm. II. p. 33. N. 236.

— — Chemn. IX. f. 1193.

— — (Helicella) Fér. pr. 284.

— — Lam. 69. p. 84. ed. Dh. p. 60.

— — Mont. p. 437. t. 24. f. 2.

— — C. Pfr. I. p. 38. t. 2. f. 23.

— — Turc. Man. p. 54. f. 37.

— — Krym. Bull. Mosc. IX. p. 490.

— — Rossm. I. p. 67. f. 17. VIII. p. 33. f. 517.

— — Gray Man. p. 163. t. 4. f. 37.

— — Chemn. ed. II. Helix N. 434. t. 22. f. 21—26.

— *cespitem* Drap. t. 6. f. 16. 17.

— — C. Pfr. I. p. 39. t. 2. f. 24. 25.

— *media* Gmel. 477. p. 3640?

+ *dubia* Hartm.

— *zonaria* Schrank.

— *trochlearis*, *obvius* et *derbentina* Andr. (teste Krym.)

— . . . Fér. hist. t. 85. f. 4—4.

*Zonites ericetorum* Leach moll. p. 404.

*Oxychilus ericetorum* Fitzing. syst. Verz. p. 400.

*Helicella ericetorum* Risso IV. N. 155.

*Theba ericetorum* Beck ind. p. 43.

*Xerophila ericetorum* Held in Isis 1837. p. 943.

β. Minor: diam. maj. 44, min. 9, alt. 5½ mill. (Spec.)

γ. Alba, fasciis nonnullis castaneis, supremis interruptis aurantiacis.

δ. Depressa, cretacea:

*Helix striata* Müll. verm. II. p. 38. N. 238. \*) Teste Beck.

— *nivea* Gmel. 476. p. 3639.

— *albella* Pennant } teste Gray.

— *obliterata* Hartm. }

— *erica* Da Costa p. 53. t. 4. f. 8. } teste Beck.

— *umbilicaris* Olivi }

Habitat in plerisque Europae terris vulgaris; var. γ in planitie Grownikensi prope Fiume legi.

\*) T. umbilicata, subdepressa, striata, alba. — Diam. 6 lin. (Schrot. Tangest. p. 183. t. 2. f. 20.) — Hab. ? — T. alba, argute striata, unicolor, subtus convexa, supra convexiuscula. Umbilicus distinctissimus, pervius. Anfractus fere 6 rotundati absque carina. Apertura lunata. Labrum in mea non absolutum. (Müll. I. c.)

**421. H. candicans Ziegler.**

' ' T. umbilicata, convexo-depressa, striatula, nitida, candida, interdum lineis pallide rufis circumdata; spira vix elata, apice fusca; anfr. 5 convexi, ultimus non descendens; umbilicus mediocris, pervius; apertura magna, lunato-rotundata; perist. simplex, intus subtiliter labiatum, marginibus approximatis. — Diam. maj. 48, min. 45, alt. 9—10 mill. (Coll. Nr. 237. Spec. hungar.)

*Helix candicans* Zgl. Pfr. in Wieg. Arch. 1844. I. p. 220.

— — Chemn. ed. II. *Helix* N. 244. t. 38. f. 10—12.

— *candida* Porro ined.

β. Concolor, alba, apertura subcirculari, minore:

*Helix arenosa* Zgl. Rossm. VIII. f. 549.

— — Kryn. Bull. Mosc. IX. p. 497? \*

*Theba arenosa* Beck ind. p. 44.

γ. Alba, unifasciata, apertura superne angustiore:

*Helix dejecta* Jan, Rossm. VIII. f. 520.

Habitat in Hungaria (prope Szigleget ad lacum Balaton legi!); et prope Como (Porro); var. β et γ in Tauria.

**422. H. neglecta Draparnaud.**

T. mediocriter umbilicata, subturbinato-depressa, albida, fusco-fasciata; anfr. 5 convexi, ultimus non deflexus; apertura lunato-rotunda; perist. rectum, intus subrufo-labiatum, marginibus subapproximatis. — Diam. maj. 44, min. 42, alt. 7 mill. (Coll. Nr. 238.)

*Helix neglecta* Drap. p. 408. t. 6. f. 42. 43.

— — (Helicella) Fér. pr. 282.

— — Lam. 67. p. 84. ed. Dh. p. 59.

— — Kryn. Bull. Mosc. IX. p. 493?

— — Rossm. VI. p. 30. f. 355.

— — Terv. cat. p. 24. t. 3. f. 4—6.

— *clivorum* Hartm.

— *varians* Risso IV. p. 70?

*Theba neglecta* Beck ind. p. 43.

*Xerophila neglecta* Held in Isis 1837. p. 943.

Habitat in Gallia, Italia boreali, Hispania, nec non frequens circa Oran (Terv.).

Obs. Species quasi intermedia inter *H. virgatam* et *ericetorum*. Variat spira magis minusve elata, nec non umbilici diametro.

\*) Testa orbiculato-convexa, depressiuscula, solidula, pellucida, transversim dense et profunde regulariter (subcostulata) striata, albida aut fasciis tenuibus, evanescentibus cincta; sutura profundiuscula; spira parum exserta, apice fusco; umbilico mediocri, profundo cum labio a se parum remoto; apertura compresso-lunata; perist. patulo, intus fusco, valde incrassato. — Diam. 5, alt.  $2\frac{1}{2}$  mill. — Ab *H. costulata* differt forma aperturæ, peristomate et anfractu numero (Kryn. l. c.)

423. *H. instabilis* Ziegler.

T. late umbilicata, depressa, striato-rugosa, solida, albida; anfr. 5 convexi, lente accrescentes, ultimus teres, vix descendens; apertura fere circularis; perist. simplex, acutum, marginibus fere contiguis. — Diam. maj. 44, min. 42, alt.  $8\frac{1}{2}$  mill. (Coll. Nr. 239.)

*Helix instabilis* Zgl. Mus. Pfr. Symb. II. p. 34.

— — Chemn. ed. II. Helix N. 242. t. 38. f. 4—6.

— *ericetorum* var. Rossm. VIII. f. 518.

— *Leopolitana* Andr. (Beck.)

*Theba instabilis* Beck ind. p. 43.

β. Minor, fusco-radiata et obsolete fasciata; diam. maj.  $40\frac{1}{2}$ , min.  $9\frac{1}{2}$ , alt. 5 mill. (Spec.)

*Helix instabilis* var. Chemn. l. c. t. 38. f. 7—9.

Habitat in Gallicia.

424. *H. candaharica* Pfr.

T. umbilicata, orbiculato-convexiuscula, oblique striatula, nitidula, fuscescenti-albida, fasciis angustis, maculose interruptis, nigricantibus et rufis oruata; spira vix elevata, apice nitida, cornea; anfr. 5 convexiusculi, ultimus antice non descendens; umbilicus infundibuliformis, anfractum penultimum late monstrans, medio angustissimus; apertura obliqua, lunato-ovalis; perist. acutum, intus subremote labiatum, marginibus conniventibus, columellari vix dilatato. — Diam. maj. 46, min. 43, alt.  $7\frac{1}{2}$  mill. (Mus. Cuming.)

*Helix candaharica* Pfr. in Proc. Zool. Soc. 1846. p. 37.

Habitat ad Candahar Indiae orientalis (Benson).

425. *H. Berlanderiana* Moricand.

T. umbilicata, depressa, striata, lucida, alba vel cinerea, interdum unifasciata; anfr.  $4\frac{1}{2}$ , convexiusculi, ultimus basi inflatus; apertura lunato-subcircularis; perist. acutum, intus labiatum, margine columellari juxta umbilicum angustum vix reflexo. — Diam. maj.  $8\frac{1}{2}$ , min.  $7\frac{1}{2}$ , alt.  $5\frac{3}{4}$  mill. (Coll. Nr. 240.)

*Helix Berlanderiana* Mor. Mém. Gen. VI. p. 537. t. 4. f. 4.

— — Lam. ed. Dh. 222. p. 433.

— — Chemn. ed. II. Helix N. 243. t. 38. f. 18. 19.

— *virginalis* Jan in sched.

Habitat in Texas.

426. *H. nivea* Ziegler.

T. perforata, depresso-conica, solidula, nitidula, nivea; anfr. 5 vix convexiusculi, ultimus multo latior, descendens; umbilicus angustissimus, non pervius; apertura magna, oblique lunato-



ovalis; perist. subsimplex. — Diam.  $41\frac{1}{2}$ , alt. 7 mill. (Coll. Nr. 244.)

*Helix nivea* Zgl. Mus. Anton Verz. p. 37.

— — Pfr. Symb. II. p. 34.

— *alexandrina* Parr. in sched.

Habitat in insula Corfu.

#### 427. *H. protea* Ziegler.

T. anguste umbilicata, depresso-globosa, albida, maculose fasciata vel concolor; spira conoidea; anfr. 5—6 convexi, ultimus magnus; apertura lunato-rotunda; perist. rectum, acutum, intus leviter labiatum. — Diam. maj. 44, min. 40, alt. 7 mill. (Coll. Nr. 242.)

*Helix protea* Zgl. Mus. Rossm. VIII. p. 34. f. 524.

— — Chemn. ed. II. Helix N. 246. t. 38. f. 22. 23.

— *obvia* Jan in sched. (unicolor.)

β. Major, depressior, umbilico paulo latiore:

*Helix campestris* Zgl. Mus.

— *pustulata* Mf. (Beck.)

*Theba campestris* Beck ind. p. 43.

Habitat in insulis joniciis: Corfu.

#### 428. *H. dealbata* Lowe.

T. rimato-perforata, depressa, striatula et granulis minutis undique exasperata, solidiuscula, albida; spira parum elevata; anfr. 6 planiusculi, ultimus superne subangulatus, basi convexus, paulo devians, rimam formans, antice vix descendens; apertura subcircularis; perist. simplex, intus sublabiatum, marginibus callo junctis. — Diam. maj. 9, min. 7, alt.  $4\frac{3}{4}$  mill. (Coll. Nr. 243. Spec. Lowean.)

*Helix dealbata* Lowe Faun. Mader. p. 48. t. 5. f. 24.

— — Lam. ed. Dh. 148. p. 97.

— — Chemn. ed. II. Helix N. 245. t. 38. f. 20. 24.

*Ochthephila dealbata* Beck ind. p. 47.

β. Testa laevi, nitida.

Habitat in insula Portosancto, var. β in insula Ilheo de Baxo.

#### 429. *H. depauperata* Lowe.

T. umbilicata, globoso-depressa, solidiuscula, rugoso-striata, obsoletissime granulata, sordide albida; spira subelevata, obtusa; anfr. 5 convexi, ultimus basi convexior, antice deflexus; umbilicus angustus, pervius; apertura lunato-circularis; perist. acutum, intus albo-labiatum, marginibus lamina callosa junctis. — Diam. maj. 9, min.  $7\frac{1}{2}$ , alt.  $5\frac{3}{4}$  mill. (Coll. Nr. 244.)

*Helix depauperata* Lowe Faun. Mader. p. 54. t. 6. f. 4.

*Helix depauperata* Chemn. ed. II. *Helix* N. 244. t. 38. f. 16. 17.

*Ochthephila depauperata* Beck ind. p. 17.

Habitat in montibus insulae Portosancto.

430. *H. caperata* Montagu.

T. umbilicata, depresso-globosa, costulato-striata, albida vel lutescens, fasciis strigisque fuscis, plerumque interruptis ornata; spira acuto-convexa; anfr. 5 convexi, ultimus non deflexus; umbilicus mediocris, apertus; apertura lunato-rotunda; perist. rectum, acutum, intus fulvo- vel rufo-labiatum. — Diam. maj. 11, min. 9<sup>3</sup>/<sub>4</sub>, alt. 7 mill. (Coll. Nr. 245. Spec. Tergest.)

*Helix caperata* Mont. p. 430. t. 11. f. 11.

— — Wood ind. t. 33. f. 21.

— — Turt. Man. p. 42. f. 32.

— — Flem. Britt. anim. p. 262.

— — Gray Man. p. 162. t. 4. f. 32.

— — Chemn. ed. II. *Helix* N. 132. t. 22. f. 11 — 14.

— *striata* Drap. p. 106. t. 6. f. 18. 19.

— — Lam. 103. p. 93. ed. Dh. p. 75.

— — C. Pfr. III. p. 31. t. 6. f. 23.

— — Kryn. Bull. Mosc. IX. p. 199?

— — Rossm. VI. p. 28. f. 354.

— *intersecta* Poir. prodr. p. 81?

— — Lam. 70. p. 85. ed. Dh. p. 61?

— — Brard p. 39. t. 2. f. 7.

— *crenulata* Dillw. p. 895. N. 21.

— *obsoleta* Andr. (teste Kryn.)

*Theba caperata* Leach moll. p. 97.

*Theba intersecta* Beck ind. p. 12.

*Xerophila striata* Held in Isis 1837. p. 913.

β? Depressa, umbilico subinfundibuliformi, plerumque minor.

*Helix Gigacii* Charp. in sched. Cuming.

Habitat in maritimis Europae meridionalis, Galliae, Illyriae, Italiae, Graeciae, nec non Britanniae et Hiberniae; in Iberia, Podolia? (Kryn.); var. β (forsan propria species?) prope Arles Galliae et prope High Wycombe Bucks Britanniae (Cuming). *High Wycombe*

Obs. Huc referendae: *H. tergestina* Mfl., *H. obesa* et *pulluja* Zgl, *H. striata* Stud., variegata Friv., Porro etc.

431. *H. lanta* Lowe.

T. umbilicata, subglobosa, subtus convexa, tenuiuscula, alba, fasciis angustis, interruptis, fuscis, obsoletis ornata, nitidiuscula; sutura distincta; anfr. 5 convexi, confertissime transversim striati, ultimus rotundatus; umbilicus parvus, cylindricus, profundus,

apertus; apertura lunata, subrotunda; perist. acutum, intus anulo distincto, elevato, margini approximato. — Axis 3''', diam.  $\frac{7}{16}$ '' (L.) — Diam. 44, alt.  $7\frac{1}{2}$  mill. (ex ic.) — Coll. Nr. 246?

*Helix lauta* Lowe Faun. Mader. p. 53. t. 6. f. 9.

*Theba lauta* Beck ind. p. 42.

Habitat in insula Portosanto.

#### 432. *H. candidula* Studer.

T. umbilicata, globoso-depressa, minute striata, albida, unicolor vel varie fusco-fasciata; anfr.  $4\frac{1}{2}$  — 5 convexiusculi, ultimus antice vix deflexus; apertura rotundato-lunaris; perist. rectum, acutum, intus valide labiatum, marginibus subapproximatis, columellari in umbilicum angustum, pervium subexpanso. — Diam. maj. 9, min. 8, alt. 5 mill. (Coll. Nr. 247. Spec. hass.)

*Helix candidula* Stud. syst. Verz. p. 87.

— — (Helicella) Fér. pr. 279.

— — Rossm. VI. p. 26. f. 350.

— — Morelet moll. du Port. p. 63.

— *striata* var. Drap. t. 6. f. 24.

— — var. Lam. 403. ed. Dh. p. 75.

— — Brard t. 2. f. 5. 6. } (teste Fér.)

— *unifasciata* Poir.

— *bidentata* Drap. tabl. d. moll. N. 25.

— *thymorum* v. Alt. p. 56. t. 5. f. 9.

— — C. Pfr. I. p. 37. t. 2. f. 24. 22.

— — Kryn. Bull. Mosc. IX. p. 497.

— *striatula* Hartm. Syst. p. 54.

— *rugellosa* Hartm.

— *laeniata* Mlf.

— *unizona* Andrz. } teste Kryn.

— *radiolata* Andrz.

*Theba candidula* et *thymorum* Beck ind. p. 44.

*Xerophila thymorum* Held in Isis 4837. p. 943.

Habitat in Germania, Gallia, Croatia (!), Helvetia, Italia, Lusitania, Rossia, Tauria.

#### 433. *H. lunulata* Krynicki. †

T. orbiculato-convexiuscula, subcarinata, subtus convexiuscula, solida, parum translucida, transversim striolata, alba aut lineis fuscis longitudinalibus fasciaeque saepissime tenui carinae ornata; anfr. 6 rotundati; sutura impressa; spira exserta; umbilicus angustus, profundus; apertura compresso-lunata, subobliqua; perist. patulum, intus incrassatum. — Diam. 4, alt. 2 lin. (Kr.)

*Helix lunulata* Kryn. Bull. Mosc. VI. p. 433. IX. p. 204.

*Helix striata* var. *i* *Drap.* (Kr.)

— — var.? *Fér.* in Bull. zool. 1835. p. 21.

Habitat prope Odessam.

Obs. «Ab *H. thymorum* distinguitur spira parum elevatiore, umbilico angustiore, apertura magis compressa, lunata, perist. intus semper calloso, callo in extremitatibus sinuato, superficieque minus striata».

**434. *H. costulata* Ziegler.**

T. umbilicata, globoso-depressa, nitidula, confertim costulata, unicolor albida vel fusco-fasciata et radiata, vel nigricans, basi albo-cincta; anfr. 5 convexiusculi, celeriter accrescentes, ultimus antice vix descendens; apertura dilatata, lunato-circularis; perist. tenue, intus vix labiatum. — Diam. maj.  $9\frac{1}{2}$ , min.  $8\frac{1}{2}$ , alt.  $6\frac{1}{2}$  mill. (Coll. Nr. 248.)

*Helix costulata* Zgl. Mus. C. Pfr. III. p. 32. t. 6. f. 21. 22.

— *candidula* var. Rossm. VI. p. 26. f. 353.

— *striatula* Müll. verm. II. p. 24. N. 225? \*)

— *intersecta* Mich. compl. p. 30. t. 44. f. 33. 34.

— *narbonensis* Requien. (teste Beck.)

*Helicopsis striata* Filsing. syst. Verz. p. 101?

*Theba costulata* et *Mühlfeldtii* Beck ind. p. 44.

Habitat passim in Germania (prope Vindobonam, Hildesiam, Schöppenstedt!), Gallia.

Obs. 1. Differt ab *H. candidula* umbilico majore, anfractibus laevioribus, costulatis, et aperturae margine columellari arcuatum descendente. — Huc referendae: *H. compressula* Stentz, *Mühlfeldtiana* Zgl.

Obs. 2. Conf. *H. arenosa* Kryn. (Nr. 421  $\beta$ .)

**435. *H. Meda* Porro. †**

T. vix rimata, supra globosa, subtus planiuscula, anfractu ultimo subcarinato: strigis crebris ab infera perforatione irradian- tibus; colore plerumque albido, aliquando subferrugineo, strigis semper albis; saepe monocroma quandoque maculis et fasciis brunneis picta; apertura depressa, subquadrata; perist. recto, intus rufo-circinnato. — Alt. 8, diam. 40—42 mill. (Porro.)

*Helix Meda* Porro in Revue zool. 1840. p. 126.

— — *Villa* dispos. syst. p. 54.

Habitat prope Sassari Sardiniae.

\*) \*T. perforata, subdepressa, striata, alba, fascia rufa. — Diam. 5 lin. — Hab. in Gallia. — T. alba, pellucida, supra depressa, vertice tantisper elevato, strigis argutis exarata, subtus convexa, laeviuscula; fascia unica rufa ipsam carinam ambit. Anfractus fore 6. Labium crassiusculum, album; foramen apertum, claudi tamen in adultis suspicor. In altero exemplari fascia abrupta est. (Müll. l. c.) — Species a Cl. Draparnaud ad *H. fasciolam* (recentioribus auctoribus plane incognitam) relata, a Cl. Beck sub nomine *Thebae strigosulae* (Hel.) Gmelin enumerata.

436. *H. Aradasii* Mandrallsca. †

T. globoso-conica, perforata, subtenuis, longitudinaliter striata; anfr. 6 rotundati, fascia unica brunnea, interrupta cincti; apertura rosca, rotundata; perist. intus marginatum, labro simplice. — Diam.  $4\frac{3}{4}$ , alt.  $5\frac{1}{2}$  lin. (M.)

*Helix Aradasii* Mandr. nota di taluni specie di Moll. p. 6.

— — *Arad. et Magg.* catal. p. 86.

— — *Phil. Sicil.* II. p. 218.

Habitat in Sicilia, ubi ad «Pantano dell' argo» prope Messinam detexit Cl. de Schwerzenbach.

437. *H. vestalis* Parreyss.

T. umbilicata, depressiuscula, solida, nitida, nivea, apice nigricans; anfr. 5 —  $5\frac{1}{2}$  convexiusculi, ultimus multo latior; umbilicus angustus, pervius; apertura subcircularis; perist. simplex, marginibus approximatis. — Diam. 12, alt. 6 —  $7\frac{1}{2}$  mill. (Coll. Nr. 249?)

*Helix vestalis* Parr. in sched. *Pfr.* Symb. I. p. 40.

— *mirabilis* Parr.? (Anton.)

Habitat in Egypto.

438. *H. apicina* Lamarck.

T. aperte umbilicata, globoso-depressa, supra planiuscula, subtus turgida, albida, striata, vertice corneo-variegata; sutura profunda; anfr. 4 —  $4\frac{1}{2}$  convexi, ultimus antice dilatatus; apertura rotundato-lunaris; perist. rectum, subsimplex, acutum. — Diam. maj. 7, min. 6, alt. 4 mill. (Coll. Nr. 250.)

*Helix apicina* Lam. 102. p. 93. ed. Dh. p. 74.

— — *Rossm.* VI. p. 27. f. 352.

— — *Deless.* recueil t. 26. f. 6.

— — *Morelet* moll. du Port. p. 63.

— *cenisia* Charp. in Wieg. Arch. 1838. II. p. 274.

— . . . *Fér.* hist. t. 85. f. 19 — 22.

*Xerophila apicina* Held in Isis 1837. p. 913.

Habitat in Gallia, Dalmatia, Italia, Lusitania; in cacumine Montis Cenis (Charp.).

439. *H. conspurcata* Draparnaud.

T. umbilicata, depressa, subcarinata, corneo-cinerea, minutim variegata, capillacco-costulata, hispidula; spira vix elevata; anfr. 4 — 5 depressi; umbilicus angustus; apertura rotundato-lunaris; perist. rectum, simplex, acutum, in margine columellari

vix reflexiusculo. — Diam. maj. 6, min. 5, alt.  $3\frac{1}{2}$  mill. (Coll. Nr. 251.)

*Helix conspurcata* Drap. p. 105. t. 7. f. 23—25.

— — (Helicella) Fér. pr. 277.

— — Lam. 104. p. 93. ed. Dh. p. 75.

— — Rossm. VI. p. 27. f. 351.

— — Morelet moll. du Port. p. 63.

— *radiolata* Jan in sched.

— *hispida* Jeffr. Linn. transact. XVI. p. 2?

— . . . Fér. hist. t. 69 K. f. 13—16.

*Theba conspurcata* Risso IV. p. 74.

Habitat in Gallia, Lusitania et Sicilia (Philippi)!

Obs. Cl. Morelet varietatem refert minorem (3 mill. diam.), unicolorem corneam, secundam majorem (9 mill. diam.), tertiamque magis elevatam.

#### 440. *H. cyparissias* Parreyss.

T. mediocriter umbilicata, depressiuscula, subtiliter et confertim costulata, alba, corneo-punctata vel fusco irregulariter maculata et subfasciata; spira plane elevata, vertice acutiusculo, corneo; anfr. 5 convexi, ultimus teres, antice non descendens; apertura subcircularis; perist. rectum, acutum, tenuiter fulvolabiatum, marginibus approximatis, columellari vix dilatato. — Diam. maj. 6, min.  $5\frac{1}{2}$ , alt. 4 mill. (Coll. Nr. 252.)

*Helix cyparissias* Parr. in sched.

— — Pfr. in Zeitschr. f. Malak. 1847. p. 32.

Habitat in insula Cypro.

Obs. Similis *H. spicinea*, affinis varietatibus minoribus *H. caperatae*, apertura subcirculari statim distinguenda.

### §. 31.

#### 441. *H. turcica* (Trochus) Chemnitz. †

T. albida, depressa, umbilicata, carinata, scabra, punctis eminentibus; margine anfractuum acuto, muricato; umbilico pervio, amplo, marginato; apertura subtetragona. (Ch.) — Diam. maj. 24, min. 20 mill. (ex ic. Chemn.)

*Trochus turcicus* Chemn. XI. p. 280. t. 209. f. 2065. 66.

*Solarium cratera* Schumacher p. 195.

*Helix turcica* Dillw. cat. II. p. 905. N. 44.

— — (Helicigona) Fér. pr. 148. Hist. t. 65. f. 2. 3.

— — Lam. ed. Dh. 188. p. 118.

— — Chemn. ed. II. Helix N. 126. t. 21. f. 15. 16.

*Carocolla turcica* Gray in Ann. of Phil. New ser. IX. p. 412.

*Leucochroa turcica* Beck ind. p. 16.

β. Jun.: *Helix incisa* Chemn. IX. f. 1166. (teste Beck. — Conf. Nr. 1108.)

Habitat prope Mogador et Marocco. (Chemn.)

442. *H. filimargo* Ziegler.

T. perspective umbilicata, depressa, supra planiuscula, calcarea (raro fasciata), filocincta, substriata; anfr. 5 convexiusculi; apertura rotundata; perist. rectum, acutum, intus remote sublabiatum, marginibus subapproximatis. — Diam. maj. 14, min. 12. alt. 6 mill. (Coll. Nr. 253.)

*Helix filimargo* Zgl. Mus. Rossm. VI. p. 33. f. 358.

— — Kryn. Bull. Mosc. VI. p. 435. IX. p. 188.

— *taurica* Parlsch Mus. Caes. Vindob.

*Carocolla filimargo* Menke syn. ed. 2. p. 24.

*Anomalina chersonesica* Mühlf. (teste Rossm.)

*Leucochroa filimargo* Beck ind. p. 16.

*Xerophila filimargo* Held in Isis 1837. p. 913.

Habitat in Tauria.

443. *H. depressula* Parreyss.

T. umbilicata, lenticularis, rugoso-striata, lutescenti-albida. compresso-carinata; anfr. 6 prominuli, subplanulati, ultimus basi convexus, antice vix descendens; umbilicus latus, perspectivus; apertura securiformis; perist. rectum, angulatum, intus labiatum. marginibus conniventibus. — Diam. maj. 20½, min. 18½, alt. 9 mill. (Coll. Nr. 254.)

*Helix depressula* Parr. in sched. Rossm. IX. p. 6. f. 562.

*Carocolla depressula* Villa disp. p. 19.

Habitat in Algeria, prope Oran.

444. *H. explanata* Müller.

T. umbilicata, depressa, planospira, albida, subtiliter striata; anfr. 5 sub carina compressa inflati, ultimus ad aperturam vix deflexus; apertura securiformis; perist. rectum, acutum, intus albo-labiatum. — Diam. maj. 17, min. 14½, alt. 6 mill. (Coll. Nr. 255.)

*Helix explanata* Müll. verm. II. p. 26. N. 228.

— — Rossm. VIII. p. 40. f. 539.

— — Chemn. ed. II. Helix N. 119. t. 20. f. 3. 4.

— *planorbis marginatus* Chemn. IX. P. 2. p. 84. t. 126. f. 1102

— — β Gmel. 20.

— *albella* Drap. p. 113. t. 6. f. 25—27.

— — Terv. p. 27. t. 3. f. 10—16.

*Carocolla albella* Lam. 17. p. 100. ed. Dh. p. 149.

— *explanata* Villa disp. p. 19.

— *albella* Beck ind. p. 16.

anfr. nigra, anfr. 4½: diam. maj. 12, min. 10½.

bonali et in Algeria.

445. *H. illibata* Parreyss.

T. umbilicata, orbiculato-depressa, striatula, albida vel fulvida, seriatim fusco-variegata, carinata; spira parum elevata; anfr. 5 planiusculi, sensim accrescentes, ultimus basi convexus, antice vix descendens; umbilicus mediocris, pervius; apertura lunato-subcircularis; perist. rectum, acutum, intus rufescentilabiatum. — Diam. maj. 44, min. 42½, alt. 7½ mill. (Coll. Nr. 256.)

*Helix illibata* Parr. Rossm. IX. p. 7. f. 567.

*Carocolla illibata* Villa disp. p. 49.

Habitat in Algeria.

446. *H. amanda* Rossmäslor.

T. umbilicata, lenticularis, carinata, utrinque convexa, costulato-striata, sordide albida, maculose subbifasciata; anfr. 5 vix convexiusculi, ultimus antice non descendens; umbilicus angustus, pervius; apertura securiformis; perist. rectum, albo-labiatum. — Diam. maj. 40, min. 9, alt. 6 mill. (Coll. Nr. 257.)

*Helix amanda* Rossm. VII. p. 40. f. 449.

— — *Phil.* Sicil. II. p. 409.

— — *Chemn.* ed. II. *Helix* N. 239. t. 38. f. 13—15.

— *Boissyi* Terv. p. 24. t. 2. f. 13—15.

— *striatula* Linn.? (Mke in *Zeitschr. f. Mal.* 1845. p. 16.)

*Carocolla limbata* *Phil.* Sicil. I. p. 437. t. 8. f. 47.

— *amanda* Villa disp. p. 49.

*Leucochroa limbata* Beck ind. p. 46.

Habitat in Sicilia, prope Panormum (*Phil.*), in Palma, Tremecen rara (Terver).

447. *H. rugosa* Chemnitz.

T. umbilicata, orbiculato-depressa, subtus convexa, costaloplicata, albida, subtus rufo-fasciolata; spira vix elevata; anfr. 4½—5 planulati, ultimus convexus, carina filiformi, crenulata cinctus, antice vix deflexus; umbilicus majusculus, pervius; apertura lunato-rotundata; perist. acutum, intus remote rufescentilabiatum, marginibus subapproximatis. — Diam. maj. 43½, min. 41½, alt. 6 mill. (Coll. Nr. 258.)

*Helix* (scabra et) *rugosa* Chemn. IX. P. 2. p. 452. t. 433. f. 4208.

— *rugosa* Lam. 94. p. 90. ed. Dh. p. 69.

— — *Deless.* recueil t. 26. f. 4.

— — *Chemn.* ed. II. *Helix* p. 54. t. 6. f. 42. 43.

— — *Chemn.* ed. II. *Helix* N. 436. t. 23. f. 3. 4!

— *corrugata* Gmel. 246. p. 3623.

— — *Wood* ind. t. 33. f. 38.



*Helix Gargottae* Rossm. VI. p. 33. f. 357.

— — *Phil. Sicil.* II. p. 110.

— *Groyana* (Helicella) Fér. pr. 276.

*Carocolla Gargottae* Phil. Sicil. I. p. 136. t. 8. f. 10.

*Xerophila Gargottae* Held in Isis 1837. p. 913.

*Leucochroa rugosa* et *Gargottae* Beck ind. p. 12.

*Theba corrugata* Beck ind. p. 12?

Habitat in Italia et Sicilia.

Obs. Conf. Pfr. in Zeitschr. f. Malak. 1845. p. 23.

#### 443. *H. Spratti* Pfr.

T. umbilicata, depressa, confertim costulata, sordide alba vel fusca, saturatius fasciata, carinata: carina compressa, prominente, denticulata; spira vix elevata; anfr. 5 supra carinam valde turgidi, subangulatum elevati, ultimus basi convexus, antice non descendens; umbilicus latissimus, perspectivus; apertura parvula, angulato-subrotundata; perist. rectum, acutum, intus albo-labiatum. — Diam. maj. 9, min. 8, alt. 4 mill. (Coll. Nr. 259.)

*Helix Spratti* Pfr. Symb. III. p. 69.

— — *Chemn.* ed. II. *Helix* N. 137. t. 23. f. 9—11.

Habitat in insula Malta (Spratt).

Obs. Differt ab *H. rugosa* umbilico multo latiore, anfractibus turgide elevatis, sutura profunda, etc.

#### 449. *H. crenimargo* Krynicki.

T. anguste umbilicata, depressa, utrinque confertim et argute costulata, crenulato-carinata, alba, fascia cornea 1 supra carinam, pluribusque angustioribus subtus ornata; spira vix elevata; anfr.  $4\frac{1}{2}$  convexiusculi, ultimus superne subtumidus, subtus convexus: apertura rotundato-lunaris; perist. rectum, acutum, intus sublabiatum. — Diam. maj. 8, min.  $7\frac{1}{2}$ , alt. 4 mill. (Spec. coll. Rossmässl., a Cl. Siemaschko communicatum.)

*Helix crenimargo* Kryn. in Bull. Mosc. IX.

— — *Chemn.* ed. II. *Helix* N. 225. t. 36. f. 8. 9.

Habitat in Caucaso.

#### 450. *H. variegata* Chemnitz. †

T. alba, umbilicata, subdepressa, carinata, subtus 5 fasciis ventralibus fasciata, supra longitudinaliter maculata seu variegata. (Ch.) — Diam. maj. 17, min.  $14\frac{1}{2}$  mill. (ex ic.)

*Helix variegata* Chemn. IX. P. 2. p. 152. t. 133. f. 1207.

— — (Helicella) Fér. pr. 286.

— — *Chemn.* ed. II. *Helix* N. 26. p. 52. t. 6. f. 10. 11

*Helix naevia* Gmel. p. 3623. N. 245.

— *crenulata* Dilko. (ex synonym.)

Gualt. t. 3. f. Q. (Chemn.)

Habitat in insula St. Crucis Indiae occidentalis.

Obs. «Testa superne depressa, planiuscula, basi convexa; anfr. 5; umbilicus latus et profundus; apertura lunato-subcircularis; perist. acutum, non labiatum». (Ch.)

451. *H. Nyelii* Mitre. †

T. orbicularis, carinata, superne depressa, subtus convexa, late umbilicata, subtilissime striata, grisea vel lutescens; supra maculis fuscis, infra 2 fasciis ornata; apertura angulata, labro albo, tenui, intus marginato, subreflexo. — Diam. 5 lin. (M.)

*Helix Nyelii* Mitre in Ann. d. sc. nat. XVIII. p. 488.

— — Wiegman. Arch. 1843. II. p. 123.

Habitat in insula Minorca.

452. *H. callosa* (Carocolla) Anton. †

T. umbilicata, acute carinata, longitudinaliter minute striata, lutescenti-alba, apice brunnea; spira convexiuscula; anfr. 3½ planissimi; apertura longa; perist. acutum, intus marginatum, callo dentiformi in pariete aperturali. — Diam. 3½, alt. 2 lin. (A.)

*Carocolla callosa* Anton Verz. p. 39. N. 4454.

Habitat...?

Obs. 4. Specimen non adustum videtur.

Obs. 2. Ex characteribus incompletis Helici incisae Chemn., leuc. L. et maculat. Moll. locum hic ascribere possemus. Conf. Nr. 4448, 4445 et 4447.

§. 32.

453. *H. planata* Chemnitz. †

T. orbiculata, supra plano-convexiuscula, pallide fulva, subtus turgida, perforata, eleganter lineata: lineis alterne fuscis et roseis; labro simplice. — Diam. 9½ lin. (Lam.)

*Helix planata* Chemn. XI. p. 281. t. 209. f. 2067—69.

— — Webb et Berth. syn. p. 342.

— — Kryn. Bull. Mosc. IX. p. 469? \*)

\*) «T. orbiculari, supra plano-convexiuscula, subtus turgida, solidula, transparent, transversim rugoso-striata, alba punctis rubicundis superne aspersa; anfr. 5 planis; spira parum prominula; suturis tenuissimis; foramine umbilicali minimo; apertura ob marginem dextrum semicordata; labio reflexo a labro simplici superne disjuncto. — Diam. 8, alt. 3 lin. — Specimina taurica minora sunt siculis, gaudent quoque carina magis prominente et foramine umbilicali magis aperto. Sub lente tota superficies granulis minimis arcte quasi in lineas longitudinales dispositis exasperata. Margo dexter, qui omnino simplex esse videtur, sub carina finitur. — Hab. in Tauria». (Kryn. l. c.) — Vix huc referenda. Species ab auctore comparatur cum specie quidam sicula, sed vera H. planata Ch. in Sicilia nondum observata est.

*Helix planata* Chemn. ed. II. *Helix* N. 125. t. 24. f. 10—12.

— — (*Helicella*) *Fér.* pr. 295. Hist. t. 30. f. 27

— *helicella* Wood suppl. t. 7. f. 7?

*Carocolla planata* Lam. 13. p. 99. ed. Dh. p. 148.

— *leucas* Menke. (teste Beck.)

*Theba? planata* et *erythrostoma* Beck ind. p. 15.

Habitat in imperio Maroccano (Chemn.), in insulis Canaria, Lan-  
cerotta et Graciosa (W. et B.).

#### 454. *H. arietina* Rossmässler.

T. perforata, depressa, solidula, oblique striata, lineis con-  
fertis, impressis, spiralibus subtiliter reticulata, vix nitidula.  
opaca, albida, fasciis luteis latis, lineisque fuscis nonnullis ornata.  
acute carinata: carina compressa; spira parum elevata; anfr. 5.  
superne subplanulati, exserti, ultimus antice descendens, basi  
convexus; apertura lunato-securiformis; perist. rectum, acutum,  
intus valide labiatum, margine columellari late reflexo, patente.  
carneo. — Diam. maj. 24, min. 19, alt. 12 mill. (Coll. Nr. 260.)

*Helix arietina* Rossm. in Zeitschr. f. Mal. 1846. p. 172.

— — Chemn. ed. II. *Helix* N. 230. t. 36. f. 5—7.

Habitat in Hispania: Sierra de S. Cristoval (Dr. Willkomm).

Obs. Hanc cum *H. planata* Ch. ad unam eandemque speciem referen-  
dam censeo.

#### 455. *H. pisanoides* Orbigny. †

T. orbiculato-depressa, tenuis, subumbilicata, carinata.  
exilissime striata, alba, lineis nigris cincta; spira complanata;  
anfr. 4 carinati; apertura subquadrilatera, intus incrassata. —  
Diam.  $7\frac{1}{2}$ , alt. 4 mill. (O.)

*Helix pisanoides* Orb. moll. cub. I. p. 155. t. 10. f. 1—4.

Habitat in insulae Cubae regionibus interioribus.

### §. 33.

#### 456. *H. Caroni* Deshayes.

T. perforata, turrito-conica, basi planiuscula, plicata, lutes-  
cens, fusco-maculata; anfr. 10—11 plani, exserti, serrato-carinati.  
ultimus antice non descendens; apertura depressa, securiformis;  
perist. rectum, acutum, intus remote labiatum. — Diam. maj. 9.  
min.  $8\frac{1}{2}$ , alt. 11 mill. (Coll. Nr. 261.)

*Helix Caroni* Desh. in Enc. méth. II. p. 262. N. 142.

— — Chemn. ed. II. *Helix* N. 143. t. 23. f. 30. 31.

— *turrita* Rossm. VI. p. 23. f. 343.

— — *Phil.* Sicil. II. p. 111.

— *elata* Cantr. Malac. méd. t. 5. f. 4.

*Helix* . . . *Fér. hist.* t. 63 B. f. 8. 9.

*Carocolla turrita Phil. Sicil. I. p.* 137. t. 8. f. 17.

*Turricula Caronis Beck ind. p.* 10.

Habitat in Sicilia, prope Panormum (Phil.).

Obs. *H. turritam Phil.*, nec *H. elatam Faure-Big.*, esse speciem nostram, ex verbis Cl. Deshayes elucet: anfr. 12, diam. bas. 9, alt. 11 mill.

457. *H. trochlea Pfr.*

*T. perforata*, conico-turrita, trochlearis, costulato-striata, albida, interdum fusco-maculata vel basi fusco-fasciata; anfr. 8 acute crenulato-carinati, late exserti, utrinque planulati, ultimus basi subtilius et confertius striatus, convexiusculus, antice non descendens; apertura securiformis; perist. acutum, margine basali arcuato, intus leviter labiato, columellari subdilato, ad perforationem subreflexo. — Diam. maj.  $7\frac{1}{2}$ , min.  $7\frac{1}{2}$ , alt. 8 mill. (Coll. Nr. 262.)

*Helix trochlea Pfr. Symb. III. p.* 69.

— — *Chemn. ed. II. Helix N.* 142. t. 23. f. 28. 29.

Habitat . . . ?

Obs. Specimina plura vidi, structura anfractuum prorsus aequalia; variat spira paulo minus elevata.

458. *H. cyclodon Webb et Berthelot.*

*T. vix perforata*, trochiformis, rugoso-striata, fuscescenti-albida; spira turrita, sursum attenuata, acuta; anfr. 7 planiusculi, 2 ultimi exserti, dentato-carinati, supra carinam serie tuberculorum instructi, ultimus basi vix convexiusculus; apertura depressa, angulato-lunaris; perist. simplex, acutum. — Diam. maj.  $7\frac{1}{2}$ , min.  $6\frac{1}{4}$ , alt. 6 mill. (Mus. Cuming.)

*Helix cyclodon Webb et Berth. Orb. canar. p.* 64. t. 2. f. 1—3.

Habitat in insulis Canariis, Azoris, Madera, promontorio viridi.

459. *H. elata Faure-Bignot.*

*T. perforata*, conica, basi planiuscula, costulata, albida; anfr. 9 plani, exserti, carinati; apertura securiformis; perist. rectum, acutum, intus sublabiatum. — Diam. maj. 7, min. 6, alt. 9 mill. (Coll. Nr. 263.)

*Helix elata Faure-Big. Fér. pr.* 304.

— — *Rossm. VI. p.* 23. f. 344. (H. Caroni.)

— — *Chemn. ed. II. Helix N.* 144. t. 23. f. 32. 33.

*Carocolla elata Phil. Sicil. I. p.* 137. t. 8. f. 16.

*Turricula elata Beck ind. p.* 10.

Habitat in Sicilia, prope Capri (Philippi).

460. *H. pumilio* (*Trochus*) *Chemnitz*. †

T. umbilicata, conica, anfr. 7 acute marginatis, duplicatis. muricatis; basi scabra convexiuscula; apertura subtetragona. (Ch. — Diam. et alt. circa 10 mill. (ex ic.)

*Trochus pumilio* Chemn. XI. p. 164. t. 196. f. 1888. 89.

— *rugosus* Mühlf. Mag. Ges. nat. Fr. 1818. p. 7. t. 1. f. 10.

*Turricula pumilio* Beck ind. p. 10.

Habitat prope Mogador (Ch.).

461. *H. syrensis* Pfr.

T. umbilicata, orbiculato-conica, confertim costulata, carinata, sordide albida, fusco vel spadiceo marmorata; spira depresso-conica, apice acutiuscula, cornea; anfr. 5 exserti, subplanulati, ultimus basi convexiusculus; umbilicus angustus, pervius; apertura rotundato-lunaris; perist. acutum, intus albedo-labiatum. — Diam. maj. 8, min. 7, alt. 5 mill. (Coll. Nr. 264.)

*Helix syrensis* Pfr. Symb. III. p. 69.

— — Chemn. ed. II. *Helix* N. 140. t. 23. f. 22. 23.

— *serrula* Morelet moll. du Port. p. 61. t. 7. f. 2? \*) Nec Bens

Habitat in insula Syra (Forbes), et in Lusitania, prope Setubal?

462. *H. pyramis* Philippi. †

T. perforata, elevato-conica, subacuta; anfr. 8 convexi, sutura profunda divisi, striato-rugosi, ultimus subangulatus; apertura depressa, submarginata. — Diam. 2½, alt. 3¼ lin. Apert. fere 1¼ lin. lata, nondum 4 lin. alta. (Ph.)

*Helix pyramis* Phil. Sicil. I. p. 135. t. 8. f. 20.

— — Rossm. VI. p. 23.

*Ochthephila pyramis* Beck ind. p. 17.

Habitat in Sicilia, ubi unicum specimen prope Panormum legit Cl. Philippi.

463. *H. serrulata* Beck.

T. angustissime perforata, trochiformis, corrugato-striata sordide alba, carinata: carina moniliformi-tuberculata, in anfractu ultimo obsolete; anfr. 6 convexiusculi, supremi subhincarinati: apertura rotundato-lunaris; perist. simplex, acutum, intus sub-

\*) T. conica, basi convexa, umbilicata; anfr. oblique rugosis, inferioribusque bifariam carinatis. — Alt. 3". — Marocco. (Mf. I. c.)

\*\*) T. lenticulari, carinata, umbilicata, lamellosa-striata, pallide fulva. apertura subrotundo-angulata; anfr. 5½. — Amplit. 8 mill. — An varietas Carcollae limbatae Phil.? (Mor.) — Umbilicus *H. amandae* multo angustior!

tiliter labiatum. — Diam. maj. 42, min. 44, alt. 9 mill. (Coll. Nr. 265.)

*Turricula serrulata* Beck ind. p. 10. (ex synon.)

*Helix serrulata* Chemn. ed. II. *Helix* N. 439. t. 23. f. 5. 6.

— *crenulata* Oliv. voy. II. p. 40. t. 34. f. 5. Nec Müll.

— — *Lam.* 85. p. 88. ed. Dh. p. 67.

— — (*Helicella*) *Fér.* pr. 300.

3. Minor, an juvenilis?

*Helix serrulata* Rossm. XI. p. 3. f. 692.

— — *var. Chemn.* I. c. t. 23. f. 7. 8.

Habitat in Egypto, prope Alexandriam.

Oba. Num forte *H. alexandrina* Ehrenb. (Conf. Nr. 1094) hujus speciei status juvenilis?

#### 464. *H. Despreauxii* Orbigny.

T. perforata, conica, trochiformis, basi convexiuscula, rugoso-tuberculata, calcarea, alba, acute carinata; anfr. 5 exserti, bicarinati: carinis dentato-serratis, inferiore magis prominente; apertura perobliqua, depressa, elliptica, intus fuscidula; perist. simplex, rectum, marginibus fere contiguis, callo tenui junctis, columellari reflexo, perforationem angustam fere occultante. — Diam. maj. 8, min. 7, alt. 5 mill. (Coll. Nr. 266.)

*Helix Despreauxii* Orb. canar. p. 65. t. 3. f. 24—23.

— — *Chemn.* ed. II. *Helix* N. 441. t. 23. f. 20. 24.

*Obeus Preauxii* Hartm. Gast. I. p. 158. t. 52. f. 4—3.

Habitat in insula Canaria.

#### 465. *H. terrestris* (Trochus) Chemnitz.

T. umbilicata, conico-TECTIFORMIS, albida, supra capillaceo-costulata, subunifasciata, infra plana; anfr. 6 plani, contabulati, vix aliquantulum exserti, compresse carinati; umbilicus angustissimus, pervius; apertura securiformis; perist. rectum, acutum, intus albo-labiatum. — Diam. maj. 40, min. 9, alt. 6½ mill. (Coll. Nr. 267.)

*Trochus terrestris* Chemn. IX. P. 2. p. 47. t. 122. f. 1045.

— — *Penn. Mont.* p. 287.

*Helix terrestris* Fleming Britt. anim. p. 260.

— — *Chemn.* ed. II. *Helix* N. 438. t. 23. f. 26. 27.

— *elegans* Gmel. 229. p. 3642.

— — *Drap.* p. 79. t. 5. f. 4. 2.

— — (*Helicella*) *Fér.* pr. 303.

— — *Rossm.* VI. p. 24. f. 345. 46.

— — *Dupuy* Moll. du Gers p. 14. N. 4.

— *crenulata* Müll.? (*Drap.*)

— *trochus* Hartm. Neue Alpina I. p. 230.

*Carocolla elegans* Lam. 18. p. 100. ed. Dh. p. 150.

*Turricula elegans* Beck ind. p. 10.

β. Depressa: diam. maj. 9, min.  $8\frac{1}{2}$ , alt. 5 mill. (Spec.)

*Helix scitula* Jan Mant. p. 2.

— *terrestris* var. Chemn. l. c. t. 23. f. 34. 35.

γ. Major, depressa, alba: diam. maj.  $12\frac{2}{3}$ , min.  $11\frac{1}{2}$ , alt. 5 mill. (Mus. Cuming.)

*Turricula depressa* Beck ind. p. 10?

Habitat in Gallia meridionali, Italia, Sicilia. — In Britannia reperi- tam esse (Mont., Flem.) negat Gray Man. p. 9. — Var. γ in Tunis (Spratt.).

#### 466. *H. trochoides* Poiret.

T. perforata, globoso-conica, albida, unicolor vel fasciata, substriata; spira conica, apice obtusa, cornea; anfr. 5—6 convexi, carina filiformi cincti, ultimus basi convexiusculus; apertura depressa, late lunaris; perist. rectum, intus labiatum. — Diam. maj.  $6\frac{2}{3}$ , min. 6, alt. 6 mill. (Coll. Nr. 268.)

*Helix trochoides* Poir. It. barbad. II. p. 29.

— — Chemn. ed. II. Helix N. 134. t. 23. f. 18. 19  
24. 25.

— *conica* Drap. p. 79. t. 5. f. 3—5.

— — (Helicella) Fér. pr. 305.

— — Lam. 105. p. 94. ed. Dh. p. 76.

— — Rossm. VI. p. 24. f. 347.

— — Phil. Sicil. II. p. 110.

*Helicella solarium* Risso IV. p. 152? \*)

*Theba conica* et *trochoides* Beck ind. p. 10.

*Xerophila conica* Held in Isis 1837. p. 913.

β. Obsolete carinata, costulato-striata, plerumque fusco-maculata.

*Helix sulculata* Crist. et Jan in sched.

— *conica* var. Rossm. VI. f. 348.

— *trochoides* var. Chemn. l. c. t. 23. f. 12. 13.

— *rugosiuscula* Mich. compl. p. 14. t. 15. f. 11—14.

— — Lam. ed. Dh. 109. p. 77.

— *rugosa* Arad. et Magg. cat. p. 68. (Phil. Sicil. II. p. 217.)

γ. Costulato-striata, paulo latius umbilicata, carina crenulata.

*Helix pumilio* Pfr. Symb. II. p. 38. Nec Chemn.

Habitat in littoribus Maris Mediterranei, Galliae, Hispaniae, Italiae, Siciliae, Dalmatiae, Graeciae etc.

Obs. Huc referendae: *H. catenata*, *remissa*, *turritella* et *verticillata* Parr.

\*) T. subtrochiformi, moderatim elevata; anfr. 8 (apicalibus 2 glaberrimis corneis) lineis obliquis elevatis inaequalibus sculptis; epidermide sordide flavo: carina eburnea. — Long. 0,009. (Risso l. c.)

467. *H. pyramidella* Jan. †

T. trochiformis, umbilicata, striata, obtuse carinata, alba, maculis corneis, diaphanis picta; apertura lunaris, subdepressa; perist. marginatum. — Alt.  $2\frac{1}{2}$ , lat.  $1\frac{1}{2}$  lin. (J.)

*Helix pyramidella* Jan Mantissa p. 2.

*Theba pyramidella* Beck ind. p. 44.

Habitat in Italia boreali.

Oba. An praecedentis forte varietas?

§. 34.

468. *H. epistylum* MILLER.

T. imperforata, solida, semigloboso-conoidea, regulariter costulato-striata, sub epidermide fulvescente, decidua alba; spira elevata, obtuse conica; anfr. 8 lente accrescentes, convexiusculi, ultimus dilatatus, basi subplanulatus, substriatus; columella brevis, obliqua, basi dilatata; apertura depressa, lunaris, intus lamella valida, acuta, columellae parallela munita; perist. simplex, acutum, marginibus callo tenui, in aream columellarem dilatato junctis. — Diam. maj. 29, min. 26, alt. 25 mill. (Coll. Nr. 269.)

*Helix epistylum* MILL. verm. II. p. 57. N. 250.

— — Gmel. p. 3630. N. 55.

— — (Helicostyla) Fér. pr. 309. Hist. t. 50 A. f. 4. 5.

— — Phil. Icon. II. 9. p. 6. t. 6. f. 12.

— — Pfr. in Zeitschr. f. Mal. 1845. p. 82.

— — Chemn. ed. II. Helix t. 100. f. 38—40.

— *epistylum* Sow. Conch. Man. f. 284.

— *Jayana* Adams in Bost. Proc. 1845. p. 47.

*Artemon epistylum* Beck ind. p. 48?

Habitat in insula Jamaica.

Oba. In speciminibus junioribus (forma *H. elevata* Say) lamella unica baseos margini parallela exlus conspicua est.

469. *H. epistylloides* Férussac.

T. imperforata, solida, globoso-conica, oblique costata, sub epidermide corneo-lutescente alba; spira elata, semiglobosa; anfr. 9 convexiusculi, ultimus obsolete angulatus, reliquis vix latior, basi impressus; columella brevis, perobliqua, basi dilatata; apertura valde depressa, oblique lunaris, lamella concentrica, in fundo baseos evanescente munita; perist. simplex, acutum. — Diam. maj. 24, min. 23, alt. 19 mill. (Coll. Nr. 270.)

*Helix epistylloides* (Helicostyla) Fér. pr. 310. Hist. t. (101.) 51 B. f. 2.

— — Pfr. in Zeitschr. f. Mal. 1845. p. 82.

— — Chemn. ed. II. Helix t. 100. f. 41—43.



*Sagda alveolata* Beck ind. p. 9. (Troch. alveolatus Soland.)

Habitat in insula Jamaica.

Obs. 1. In speciminibus junioribus fero discoideis (forma H. Wagneri Pfr. similibus) 2 lamellae concentricae basi conspicuae sunt.

Obs. 2. Differt a praecedente praeter lamellam juniorum duplicem statura minore, anfractibus arctioribus, costatis, apice obtuso et basi medio excavata.

#### 470. *H. Cookiana* Gmelin.

T. imperforata, conoidea, leviter striatula, laevigata, sub epidermide cornea alba; spira conoidea, obtusa; anfr.  $9\frac{1}{2}$  planiusculi, ultimus subangulatus, basi profunde excavatus; columella brevis, perobliqua; apertura depressa, lunaris, lamella basali in fundo evanescente instructa; perist. simplex, acutum. — Diam. maj. 25, min. 23, alt. 24 mill. (Coll. Nr. 271.)

*Helix Cookiana* Gmel. 230. p. 3642.

— — Lam. 77. p. 86. ed. Dh. p. 64.

— — Pfr. in Zeitschr. f. Mal. 1845. p. 82.

— — Chemn. ed. II. Helix t. 21. f. 4. 5. t. 100. f. 35—37.

— *epistylum* Fér. hist. t. (101.) 51 B. f. 4.

— — Blainv. in Dict. sc. nat. XX. p. 438.

*Trochus australis* Chemn. IX. P. 2. p. 49. t. 122. f. 1049. 50.

*Sagda australis* Beck ind. p. 9.

*Epistylia conica* Swains. Malac. p. 165. f. 18 a.

List. t. 62. f. 60! (Jun.)

Habitat in insula Jamaica.

Obs. 1. Specimina juniora (forma H. ligerae Say) basi bilamellata.

Obs. 2. Ab ambabus speciebus praecedentibus differt spira elevata, conica, anfractibus arctis, laevigatis, ad suturam solummodo striatulis, et basi profunde excavata.

#### 471. *H. macrodon* Menke. †

T. umbilicata, depresso-globosa, tenuis, pellucida, laevis, albida; anfr. 5 convexiusculi; umbilicus angustus (?) fere obtectus; apertura angusta, lunato-elliptica, intus callo lato protuberante coarctata; perist. simplex, acutum, margine columellari reflexo. — Diam. maj. 17, min. 15, alt. 10 mill. (ex ic. Fér.)

*Helix macrodon* Mke catal. Malsb. p. 4. \*)

— *Duclosiana* (Helicodonta) Fér. hist. t. 51 A. f. 6.

*Caracollina macrodon* Beck ind. p. 28.

Habitat in Nova Hollandia (Beck).

#### 472. *H. bloostata* Pfr.

T. subperforata, semiglobosa, superne subarcuatim rugoso-striata, nitidula, virenti-flavida; spira magis minusve elevata:

\*) T. orbiculato-convexa, umbilicata, alba; labro interius dente crasso munito (Mke l. c.)

anfr. 7 angusti, convexiusculi, ultimus basi subplanus, medio impressus, laevigatus, lineis concentricis obsoletis sub lente notatus; apertura late lunaris, basi costis 2 validis, marginem non attingentibus, munita; perist. simplex, acutum, margine columellari perobliquo, calloso. — Diam. maj.  $9\frac{1}{2}$ , min. 9, alt. 5 —  $6\frac{1}{2}$  mill. (Coll. Nr. 272.)

*Helix bicostata* Pfr. Symb. III. p. 69.

— — Chemn. ed. II. Helix t. 100. f. 24 — 23.

— *Rafinesquea* Fér. pr. 311. Hist. t. 54 A. f. 5?

Habitat in Tennessee Americae borealis.

Obs. Variat sicut *H. gularis* Say spirā magis minuse elevata et plica altera, rarius ambabus, obsoletis. — Differt ab *H. interna* Say spirā convexa, sculptura etc., ab *H. epistylis* junioribus anfractibus angustis, costis internis validis etc.

#### 473. *H. interna* Say.

T. angustissime perforata, orbiculato-convexiuscula, superne regulariter et confertum costulata, subtus laeviuscula, nitida, pallide cornea; spira parum elevata; anfr. 7 angusti, superne planuli, ultimus basi convexior; umbilicus punctiformis; apertura late lunaris; perist. simplex, acutum, margine basali dentibus 2 pliciformibus, ad marginem non porrigentibus, munito. — Diam.  $5\frac{1}{2}$ , alt.  $3\frac{1}{2}$  mill. (Coll. Nr. 273.)

*Helix interna* Say in Philad. journ. II. p. 155.

— — Binn. in Bost. journ. III. p. 405. t. 24. f. 4.

— — Chemn. ed. II. Helix t. 101. f. 4 — 4.

— *pomum Adami* Green, teste Bronn catal. 1845.

β. Major, semiglobosa, rufescens, anfr. 9: diam. maj.  $7\frac{1}{2}$ , min. 7, alt.  $4\frac{1}{2}$  mill. (Coll. Philipp.)

Habitat in America boreali: Missouri, Ohio, Pennsylvania, Virginia.

#### 474. *H. gularis* Say.

T. subperforata, orbiculato-convexa, tenuis, striatula, nitida, luteo-cornea; anfr.  $5\frac{1}{2}$  — 6 angusti, planiusculi; apertura lunaris, intus dentibus 2 pliciformibus, margini basali adnatis, extus conspicuis, coarctata; perist. simplex, acutum. — Diam. maj.  $6\frac{2}{3}$ , min. 6, alt.  $3\frac{2}{3}$  mill. (Coll. Nr. 274.)

*Helix gularis* Say in Philad. journ. II. p. 156.

— — (Helicodonta) Fér. hist. t. 54 A. f. 4.

— — Binn. in Bost. journ. III. p. 408. t. 44. f. 1.

— — Pfr. Symb. II. p. 29.

— — Chemn. ed. II. Helix t. 101. f. 5 — 8.

*Sagda? gularis* Beck ind. p. 9.

β. Apertura uniplicata:

*Helix suppressa* Say descr. of new terr. shells p. 14.

*Helix suppressa* Binn. in Bost. journ. III. p. 440. t. 11. f. 3.

Habitat in America boreali: Ohio, Pennsylvania.

Obs. Plica columellae proxima vel distincta et valida, vel magis minusve obsoleta est. — In speciminibus junioribus neutra conspicua.

\* \* \*

475. *H. lineata* Say.

T. late umbilicata, subdiscoidea, tenuis, pallide flavescens, striis concentricis confertis lineata; spira brevissima; anfr. 4 — 5. sutura impressa distincti, intus pluries remote bidentati; apertura lunaris; perist. simplex. — Diam. maj.  $3\frac{1}{2}$ , min. 3, alt.  $4\frac{1}{2}$  mill. (Coll. Nr. 275.)

*Helix lineata* Say in Philad. journ. I. P. 1. p. 18. P. 2. p. 373.

— — (Helicella) Fér. pr. 195. Hist. t. 79. f. 1.

— — Binn. in Bost. journ. III. p. 436. t. 22. f. 6.

— — Gould report p. 179. f. 103.

— — Pfr. Symb. II. p. 31.

— — Chemn. ed. II. Helix t. 101. f. 13—15.

— . . . . Fér. hist. t. 86. f. 5.

*Euryomphala lineata* Beck ind. p. 8.

Habitat in America boreali: Philadelphia, Harrigate, Massachusetts.

476. *H. multidentata* Gould.

T. umbilicata, orbiculata, depressa, nitidula, cornea, superne regulariter striata, basi laevigata; spira vix elevata, obtusa; anfr. 6 angusti, subplanulati, ultimus superne subangulatus, intus seriebus pluribus remotis dentium munitus: dentibus 5 in quavis serie basi pellucente; umbilicus angustissimus, pervius; apertura depressa, lunaris; perist. simplex, acutum. — Diam. maj.  $3\frac{1}{4}$ , min. 3, alt.  $4\frac{1}{2}$  mill. (Coll. Nr. 276.)

*Helix multidentata* Gould in Bost. journ. III. p. 425. t. 22. f. 5.

— — Chemn. ed. II. Helix t. 101. f. 9—12.

Habitat in America boreali: Vermont.

Obs. Huic sectioni prius adnumeraveram *H. margaritam* Pfr. (Conf. Odon-tostoma opalinum p. 12.)

§. 35.

477. *H. lamellosa* Férussac.

T. umbilicata, lenticularis, tenuis, nitida, glabra, acute carinata, flavescens, maculis et flammis rufis ornata; spira subelevata; anfr. 7 plani, ultimus basi inflatus, ad umbilicum mediocrem, cylindricum angulatus; apertura depressa, trapezia, ringens: lamellis 2 magnis in pariete aperturali, reliquis minoribus, 4 in

marginē columellari brevi, 4 in basali, 4 in supero. — Diam. maj.  $7\frac{1}{2}$ , min. 7, alt.  $3\frac{1}{2}$  mill. (Coll. Nr. 277.)

*Helix lamellosa* (Helicodonta) Pér. pr. 110. Hist. t. 51 A. f. 3.

— — Pér. in Voy. de Freycinet. Zool. p. 469.

— — Pfr. in Zeitschr. f. Mal. 1845. p. 85.

— — Chemn. ed. II. Helix t. 100. f. 6—9.

Habitat in insulis Sandwich.: Wahoo.

478. *H. pentodon* Menke.

T. umbilicata, conoidea, solida, irregulariter striata, nitidula, albo corneoque variegata; spira conoidea, obtusa; anfr. 6 plani, ultimus acute carinatus, basi convexiusculus, circa umbilicum mediocrem, cylindricum angulatus; columella verticalis; apertura tetragona, dentibus 5 profundis, breviter lamelliformibus coarctata: dentibus 2 in ventre anfractus penultimi, 2 in margine basali, 4 in columellari; perist. simplex, acutum. — Diam. maj. 9, min. 8, alt. 7 mill. (Coll. Menke.)

*Helix pentodon* Mke in Zeitschr. f. Mal. 1846. p. 128.

— — Chemn. ed. II. Helix t. 100. f. 32—34.

Habitat . . . ?

478°. *H. bursatella* Gould. †

T. parva, pervariabilis, rotundata, conica vel planulata, supra maculis fuscis et albidis alternantibus, flexuosis tessellata, infra cinereo-albida vel flammulis fuscis flexuosis radiata, costis numerosissimis acutis radiantibus lyrata, subtus convexiuscula, interdum simplex, interdum concentricè striata, nunc radiatim costellata, nunc albida, nunc fusco-flammulata; spirae anfr. ad 8 externe excavati, ultimus carinatus; sutura impressa, plerumque marginata; apertura parva, transversa, sauce cum lamellis 7 volventibus, quarum 2 superiores, 4 columellaris, 4 remotae, (4 supra, 3 infra carinam) ad labium; labrum simplex; umbilicus cavernosus, in junioribus acetabuliformis, in majoribus ad januam parvus, constrictus, margine acuto, una cum labio continuo. (G.)

*Helix bursatella* Gould 1846. Exped. shells p. 22.

a. Major, elevata, conica, striis costaeformibus, lineisque spiralibus baseos nullis. — Lat.  $\frac{3}{16}$ , alt.  $\frac{3}{16}$  poll.

β. Minor, depressa, magis minusve ruditer costata et utrinque striata.

— Lat.  $\frac{1}{8}$ , alt.  $\frac{1}{16}$  poll.

Habitat in insulis Tabeiti et Eimeo.

479. *H. contorta* Ferrussac.

T. umbilicata, depressa, tenuis, fragilis, striata, tenuissime pilosa, luteo-flava, flammulis longitudinalibus rubris picta; spira

vix convexa; anfr.  $4\frac{1}{2}$  convexi; umbilicus latus, pervius; apertura subrotunda, 7 dentata, lamellis 2 parallelis, intrantibus parietis aperturalis coarctata; perist. simplex, acutum, margine dextro dentibus 5 acutis munito. — Diam. maj. 4, min. 3, alt.  $4\frac{1}{2}$  mill. (Coll. Nr. 278.)

*Helix contorta* (Helicodonta) *Fér.* hist. t. 54 A. f. 2.

— — *Fér.* in Voy. de Freycin. Zool. p. 469.

— — *Desh.* in *Fér.* hist. p. 40.

— — *Chemn.* ed. II. *Helix* t. 100. f. 4—5.

— *intercarinata* *Mighels* in Bost. Proc. 1845. p. 18.

Habitat in insula Sandwich.: Oahu.

#### 479\*. *H. daedalea* Gould. †

T. parva, discoidea, rubro-castanea, fusco tessellata, costellis radiantibus acutis confertis scabra, subtus acetabuliformis; spirae anfr. ad 6 arcte voluti, duplo altiores quam lati, ad peripheriam rotundati, infra haud planulati; sutura impressa; apertura angusta, verticalis, lunata, fauce lamellis 9 volventibus instructa, quarum 4 ad anfractum penultimum, 1 ad columellam, 2 ad basim, 3 ad labium dispositis. — Alt.  $\frac{1}{20}$ , lat.  $\frac{1}{10}$  poll. (G.)

*Helix daedalea* Gould 1846. Exped. shells p. 24.

Habitat in ins. Taheiti, Matea.

#### 480. *H. sexlamellata* Pfr.

T. angustissime perforata, subsemiglobosa, tenuis, regulariter costulata, lutescens, maculis castaneis tessellata; spira elevata, obtusa; anfr. 6 convexi, angusti, ultimus basi planulatus; apertura depressa, oblique lunaris, lamellis 6 acute elevatis coarctata: 3 parallelis in ventre anfractus penultimi, 3 in fundo aperturæ, illis oppositis, interjectis pluribus minoribus, obsoletis; perist. simplex, acutum. — Diam. maj.  $3\frac{1}{4}$ , min. 3, alt.  $2\frac{1}{4}$  mill. (Coll. Nr. 279.)

*Helix sexlamellata* Pfr. in Zeitschr. f. Mal. 1845. p. 85.

— — *Chemn.* ed. II. *Helix* t. 100. f. 44—48.

Habitat in insulis Gambier.

#### 481. *H. oparica* Anton.

T. subperforata, orbiculato-convexiuscula, tenera, costulato-striata, fuscescens, obsolete rubro-maculata; spira depressa; anfr.  $4\frac{1}{2}$ —5 angusti, convexiusculi; apertura late lunaris; perist. acutum ad umbilicum usque productum; dentes 3 lamelliformes in pariete aperturali, 4 in margine basali. — Diam. maj.  $3\frac{1}{2}$ , min. 3, alt. 2 mill. (Coll. Nr. 280.)

*Helix oparica* Anton Verz. p. 39. N. 1443.

*Helix oparica* Anth. in litt. Pfr. Symb. II. p. 92.

— — Chemn. ed. II. Helix t. 400. f. 46—20.

— . . . Fér. hist. Fasc. 34. t. 4. f. 12.

Habitat in insula Opapa (Cuming).

Obs. Huic sectioni adnumerari possunt *H. colina* Ducl., et *Proserpina* Pfr. Conf. *Odontostoma colinum* p. 44, et *Odontost. nitidum* p. 42.

§. 36.

482. *H. tichostoma* Pfr.

T. late umbilicata, discoidea, hyalina, nitida, tenuissime striata; spira plana; anfr. 5 superne planiusculi, angusti, ultimus multo latior; apertura triangulari-ovalis, lamina horizontali anfractus penultimi quasi dimidiata; perist. simplex, acutum, rectum. — Diam. maj. 6, min. 5, alt.  $2\frac{1}{2}$  mill. (Coll. Nr. 284. Spec. max.)

*Helix tichostoma* Pfr. in Wieg. Arch. 1839. I. p. 354.

— — Chemn. ed. II. Helix t. 400. f. 28—34.

Habitat in insula Cuba, prope El Fundador provinciae Canimarensis!

482\*. *H. rubiginosa* Gould. †

T. orbicularis, depressa, ferrugineo-cornea, fusco tessellata, oblique costato-striata, late umbilicata; spirae anfr. 6 arcte voluti; sutura impressa; apertura subrecta, lunata; labrum simplex; lamella unica secundum anfractum penultimum volvens. — Lat.  $\frac{7}{10}$ , alt.  $\frac{1}{10}$  poll. (G.)

*Helix rubiginosa* Gould 1846. Exped. shells p. 24

Habitat in insula Sandwich.: Kauai.

Obs. «Forma, magnitudine et sculptura *H. striatellae* Anth. similis».

482\*. *H. obolus* Gould. †

T. parva, discoidea, deorsum compressa, supra planulata, infra concava, radiatim minutissime et inaequaliter striata, fusco-ferruginea, piceo tessellata; spirae anfr.  $5\frac{1}{2}$ , supra excavati, ultimus superne costato-carinatus; apertura subrhomboidea, fauce lamella unica secundum anfractum penultimum volvente. — Lat.  $\frac{1}{2}$ , alt.  $\frac{1}{10}$  poll. (G.)

*Helix obolus* Gould 1846. Exped. shells p. 22.

Habitat in insula Tahiti.

Obs. «Forma *Planorbis vorticis*».

483. *H. jugosa* Mighels. †

T. late et profunde umbilicata, depressa, subdiscoidea, rubescenti-brunnea; anfr. 5 convexi, striis incrementi numerosis, elevatis; apertura circularis, modificata anfractu penultimo cum lamina tenui, elevata, intrante; labrum simplex, tenue. — Diam.  $\frac{9}{10}$ " (M.)

*Helix jugosa* Migh. in Bost. Proc. 1845. p. 19.

Habitat in insula Sandwich.: Waioli.

\* \* \*

484. *H. bilamellata* Pfr.

T. umbilicata, conica, tenuis, cornea, longitudinaliter valide et regulariter plicata; spira elongata, sursum valde attenuata, acuta; anfr. 9 carinati (carina exserta, acuta, subaculeata), ultimus basi convexiusculus; umbilicus angustus, pervius; apertura subverticalis, subquadrangularis, lamellis 2 coarctata: altera intrante in pariete aperturali, altera crassiore ad columellam; perist. simplex, rectum. — Diam. maj. 4, min.  $3\frac{3}{4}$ , alt.  $4\frac{1}{2}$  mill. (Coll. Nr. 282.)

*Helix bilamellata* Pfr. in Zeitschr. f. Mal. 1845. p. 84.

— — Chemn. ed. II. Helix t. 104. f. 16—18.

Habitat in insula Opara (Cuming).

## §. 37.

485. *H. oblecta* Lowe.

T. umbilicata, depressa, superne planiuscula, basi convexa, solidiuscula, eroso-scribiculata, subgranulata, sordide alba; anfr. 5 convexi, primi immersi, sequentes turgidi, ultimus superne angulatus, antice deflexus; umbilicus mediocris, pervius; apertura subcircularis; perist. continuum, vix expansum, intus subincrassatum. — Diam. maj. 10, min. 9, alt. 5 mill. (Coll. Nr. 283.)

*Helix oblecta* Lowe Faun. Mader. p. 47. t. 5. f. 20.

— — Chemn. ed. II. Helix N. 577. t. 91. f. 19—21.

β. Minor, anfr.  $4\frac{1}{2}$ , primis non immersis, umbilico angustiore: diam. maj. 7, min.  $6\frac{1}{4}$ , alt.  $3\frac{1}{2}$  mill.

Habitat in insula Portosancto et Ilheo de Baxo.

486. *H. abjecta* Lowe.

T. perforata, globoso-conica, superne rugoso-striata, undique minute granulata, solida, rudiuscula, grisea, basi obsolete fuscounifasciata; spira elata; anfr.  $6\frac{1}{2}$ —7 convexi, ultimus subcarinatus, basi convexiusculus, antice subito deflexus; apertura perobliqua, circularis, intus fuscula; perforatio punctiformis; perist.

simplex, continuum, album, breviter reflexum, vix solutum. — Diam. maj.  $6\frac{1}{2}$ , min.  $5\frac{1}{2}$ , alt.  $4\frac{1}{2}$  mill. (Coll. Nr. 284.)

*Helix objecta* Lowe Faun. Mader. p. 50. t. 6. f. 1.

— — Chemn. ed. II. Helix N. 579. t. 91. f. 22—24.

*Ochthephala objecta* Beck ind. p. 17.

Habitat in insula Portosancto vulgatissima.

487. *H. taeniata* Webb et Berthelot. †

T. supra valde depressa, subtus convexiuscula, subcinerea, acute carinata, striata, fascia supra unica fusco-purpurea, margine lacera, subtus integra, latiore; anfr. 7; apertura orbicularis, continua; perist. liberum, crassiusculum, vix revolutum; umbilicus magnus, profundus. — Axis 2, diam. 4 lin. (W. et B.)

*Helix taeniata* Webb et Berth. syn. p. 324.

— — Orb. canar. p. 63. t. 3. f. 18—20.

Habitat in insulis Canariis.

488. *H. paupercula* Lowe.

T. late umbilicata, subdiscoidea, superne plana vel parum elevata, sub lente minutissime granulata, grisea, punctis fuscis aspersa; anfr.  $3\frac{1}{2}$ —4 supra plani, ultimus superne angulatus, basi convexus, ad aperturam circularem angulatum constrictus et coarctatus; perist. continuum, acutum, fuscum, quasi duplicatum, margine acuto in strictura anfractus immerso, margine dextro intus unidentato. — Diam. maj. 5, min.  $4\frac{1}{2}$ , alt.  $2\frac{3}{4}$  mill. (Coll. Nr. 285.)

*Helix paupercula* Lowe Faun. Mader. p. 47. t. 5. f. 19. (auct.)

— — Lam. ed. Dh. 202. p. 104.

— — Desh. in Fér. hist. p. 8. t. 69 D. f. 6.

— — Chemn. ed. II. Helix N. 579. t. 92. f. 3—8.

*Ochthephala paupercula* Beck ind. p. 18.

*Heterostoma semitecta* Hartm. Gast. I. p. 177. t. 62.

β. Edentula:

*Helix trachelodes* Mke in Zeitschr. f. Mal. 1845. p. 131.

Habitat in Maderae et insulae Portosancto maritimis, nec non in insula Fayal (Tams)! Nec in Guinea.

Obs. In hac sectione quaeri possunt *H. coerulens* (Nr. 961.) et *H. lapida* (Nr. 962.).

§. 38.

489. *H. coccinulata* Lowe.

T. perforata, trochiformis, granulis spiniformibus scaberrima, fusca, basi rufo-bifasciata; spira elevata, apice obtusa; anfr. 6 convexi, ultimus acute carinatus, basi planiusculus, juxta carinam



sulcatus, antice subito deflexus; umbilicus minimus, punctiformis: apertura circularis; perist. simplex, acutum, continuum, solutum. expansiusculum. — Diam. maj.  $5\frac{1}{2}$ , min. 5, alt.  $4\frac{1}{2}$  mill. (Coll. Nr. 286.)

*Helix echinulata* Lowe Faun. Mader. p. 57. t. 6. f. 19. (auct.)

— — Chemn. ed. II. Helix N. 572. t. 91. f. 4—4.

*Ochthephila echinulata* Beck ind. p. 17.

*Carocollu echinulata* Villa disp. p. 19.

Habitat in monte Pico branco insulae Portosancto.

#### 490. *H. bicarinata* Sowerby.

T. perforata, trochiformis, granulis asperis undique obsita, brunnea; spira elevata, scalaeformis; anfr. 5 bicarinati, ultimus antice subito deflexus, basi vix convexus; perforatio punctiformis; apertura horizontalis, circularis; perist. simplex, acutum, brevissime undique expansum, marginibus continuis, solutis. — Diam. maj.  $5\frac{1}{2}$ , min. 5, alt.  $3\frac{1}{2}$  mill. (Coll. Nr. 287.)

*Helix bicarinata* Sow. in Zool. Journ. I. p. 58. t. 3. f. 7.

— — Wood suppl. t. 8. f. 85.

— — Lam. ed. Dh. 209. p. 127.

— — Chemn. ed. II. Helix N. 574. t. 91. f. 8—11.

— *duplicata* Lowe Faun. Mader. p. 58. t. 6. f. 20. (auct.)

*Ochthephila bicarinata* Beck ind. p. 17.

*Obeus duplicatus* Hartm. Gast. I. p. 160. t. 52. f. 4—6.

Habitat in insula Portosancto.

#### 491. *H. oxytropis* Lowe.

T. perforata, depresso-conica, granulis undique exasperata. carinata, castanea, basi flavida; sutura linearis; spira elevata. obtusa; anfr. 6 planuli, ultimus antice deflexus, basi vix convexus. acute carinatus: carina subtus sulco distincta; perforatio angustissima, non pervia; apertura subhorizontalis, circularis; perist. simplex, acutum, subexpansum, continuum, solutum. — Diam. maj. 9, min.  $8\frac{1}{2}$ , alt.  $5\frac{1}{2}$  mill. (Coll. Nr. 288.)

*Helix oxytropis* Lowe Faun. Mader. p. 57. t. 6. f. 18. (auct.)

— — Chemn. ed. II. Helix N. 575. t. 91. f. 12. 13.

*Ochthephila oxytropis* Beck ind. p. 17.

Habitat in collibus maritimis insulae Portosancto.

#### 492. *H. turricula* Lowe.

T. vix subperforata, pyramidato-turrita, minute et confertissime granulata, fusca, fere unicolor vel subtus obsolete fasciata; spira valde elevata, obtusa; sutura distincta; anfr. 8— $8\frac{1}{2}$  bicarinati (carinis aequalibus, prominentibus, distinctis, sulco divisis).

ultimas antice vix deflexus, basi convexiusculus; apertura per-obliqua, subcircularis; perist. continuum, vix disjunctum, tenue, superne rectum, basi breviter reflexum. — Diam. maj. 7, min.  $6\frac{1}{2}$ , alt. 9 mill. (Coll. Nr. 289.)

*Helix turricula* Lowe Faun. Mader. p. 58. t. 6. f. 24.

— — Chemn. ed. II. Helix N. 573. t. 94. f. 5—7.

*Turricula turricula* Beck ind. p. 40.

Habitat in insula Ilheo de Cima, juxta ins. Portosanto.

#### 493. *H. thiarella* Webb et Berthelot.

T. angustissime umbilicata, trochiformis, albo et fusco variegata, bicarinata, ad suturam tuberculato-plicata; spira conica, apice obtusa, cornea; anfr.  $6\frac{1}{2}$ , ultimus basi confertim et concentricè granulato-sulcatus, antice angulatim deflexus; apertura sub-horizontalis, circularis; perist. expansum, continuum, solutum. — Diam. maj. 7, min.  $6\frac{1}{2}$ , alt. 5 mill. (Coll. Nr. 290.)

*Helix thiarella* Webb et Berth. syn. p. 346.

— — Orb. canar. p. 62. t. 4. f. 26—28.

— — Chemn. ed. II. Helix N. 576. t. 94. f. 44—46.

*Geomitra bicarinata* Swms. Malac. p. 166. f. 20.

*Turricula thiarella* Beck ind. p. 40.

*Ochthephila thiarella* Beck ind. p. 48.

Habitat in insulis Canariis et Madera. (In Roccellae sarcinis invenit Cl. Terver.)

### §. 39.

#### 494. *H. foliis* Péruzeau. †

T. imperforata, ovato-conica, albida; spira obtusa; anfr. 4 convexi, ultimus reliquos longe superans, basi fulvescens et cingulis 3 pallide rufis, interruptis ornatus; apertura lunato-ovalis; perist. simplex, acutum, margine columellari subrecte descendente, dilatato, reflexo, albo. — Diam. 86, alt. 80 mill. (ex ic. spec. unici Mus. Paris.)

*Helix foliis* (Helicogena) Pér. pr. 49. Hist. t. 47. f. 4.

Habitat . . . ?

#### 495. *H. undata* Lowe.

T. imperforata, depresso turbinata, nigricanti-fusca, plicis validis undatim corrugata; spira late conoidea; anfr.  $5\frac{1}{2}$  convexiusculi, ultimus antice valde deflexus; apertura ampla, lunato-ovalis; perist. superne simplex, marginibus callo tenuissimo junctis, columellari dilatato, appresse reflexo, plano. — Diam. maj. 22, min. 19, alt. 44 mill. (Coll. Nr. 294.)

*Helix undata* Lowe Faun. Mader. p. 44. t. 5. f. 5.

*Helix undata* Lam. ed. Dh. 146. p. 96.

— — *Chemn.* ed. II. *Helix* N. 593. t. 93. f. 3. 4.

— *corrugata* Solander mss. (Lowe.)

— *Groviana* (*Helicogena*) *Fér.* pr. 276. Hist. t. 46 A. f. 4.

— *scabra* Wood suppl. t. 8. f. 62.

*Otala Groviana* Beck ind. p. 36.

Habitat in insula Madera.

Obs. Specimina juniora umbilicata sunt.

#### 496. *H. Phillipi* Gray.

T. imperforata, subgloboso-depressa, tenuis, leviter rugata, nitida, pallide cornea, pellucida, maculis viridibus irregulariter aspersa; spira parum elevata, obtusa; anfr. 5 planiusculi, ultimus basi convexiusculus, medio fascia angusta, alba ornatus; columella intrans, breviter arcuata, subincrassata; apertura lunaris; perist. tenue, rectum. — Diam. maj. 47, min. 45, alt. 40 mill. (Spec. Mus. Britt.) — Axis 5, diam. 8 lin. (Gray.)

*Helix Phillipi* Gray in Proc. Zool. Soc. 1834. p. 65.

— — *Müll.* synops. p. 7.

Habitat in insula Phillip oceani pacifici, ubi legit Cunningham.

#### 497. *H. nivosa* Sowerby.

T. imperforata, globulosa, tenuis, irregulariter pallide rugoso-costulata, luteo-fulvescens, fusco interrupte fasciata; spira conoidea; anfr. 5 convexi, ultimus antice arcuatim deflexus; apertura subcircularis; perist. simplex, marginibus subcontiguus, callo tenui junctis, supero obtusiusculo, columellari dilatato, roseo. — Diam. maj. 46, min. 44½, alt. 42 mill. (Coll. Nr. 292.)

*Helix nivosa* Sow. in Zool. Journ. I. p. 56. t. 3. f. 3.

— — *Chemn.* ed. II. *Helix* N. 32. t. 7. f. 7. 8.

— *exalbida* Wood suppl. t. 8. f. 84.

— *phlebophora* Lowe Faun. Mader. p. 41. t. 5. f. 6.

— — *Lam.* ed. Dh. 147. p. 96.

*Pomatia nivosa* Beck ind. p. 44.

Habitat in insula Portosancto.

Obs. Huc aptius collocanda *H. diaphana* Lam. Vide Nr. 732.

#### 498. *H. Kivi* (*Nanina*?) Gray.

T. imperforata, turbinata, alba, tenuis, oblique confertim striata, strigis brevibus, irregularibus, obliquis, purpureo-brunneis ornata; spira subconica, obtusa; anfr. 6 planiusculi, ultimus rotundatus, basi convexus, albus, laevigatus; apertura lata, lu-

naris; perist. simplex, rectum, margine columellari reflexiusculo. — Diam. maj. 40, min. 9, alt. 8 mill. (Spec. Mus. Britt.)

*Nanina*? *Kiri Gray* in Dieffenbach trav. I. p. 262.

Habitat in Nova Seelandia.

498°. *H. exaequata* Gould. †

T. parva, discoidea, tenuis, lucida, glabrata, succineo-cornea, ad peripheriam rotundata, infra subplana, in foveam centralem deversa; spirae anfr. 7 arcte voluti, supra planulati, sutura marginata bene impressa discreti, spiram planam efformantes; apertura angusta, transversa; labrum simplex, portione sinistra fere horizontali, recedente, subreflexa. — Lat.  $\frac{7}{20}$ , alt.  $\frac{5}{20}$  poll. (G.)

*Helix exaequata* Gould 1846. Exped. shells p. 49.

Habitat in insula Kauai Sandwich.

Obs. «Testa subtus H. internae et indentatae similis».

§. 40.

499. *H. velutina* Lamarck. †

T. orbiculato-convexa, subperforata, minutissime striata, diaphana, corneo-lutescens; spira brevissima, obtusa; anfr. 5 convexiusculi, ultimus tumidus; apertura lunaris; perist. simplex, acutum, margine columellari reflexo. — Diam. 43, alt. 7 mill. (ex ic. Deless.)

*Helix velutina* Lam. 75. p. 86. ed. Dh. p. 63.

— — *Deless.* recueil t. 26. f. 2.

— *tortula* (Helicella) Fér. pr. 227. (teste Lam.)

*Bradybaena velutina* et *tortula* Beck ind. p. 48.

Habitat in insula Portorico (Lam.); ile de Bourbon? (H. *tortula* Fér.)

500. *H. mexicana* Koch.

T. obtecte perforata, conico-globosa, tenuis, cornea, oblique regulariter striata; spira conica; anfr. 5 planiusculi, ultimus obsolete angulatus; apertura transverse lunato-ovalis; perist. simplex, vix expansum, margine columellari reflexo, carneo. — Diam. maj. 40, min.  $8\frac{1}{2}$ , alt. 8 mill. (Coll. Koch.)

*Helix mexicana* Koch in Phil. Icon. I. 2. p. 23. t. 2. f. 5.

— — *Pfr.* Symb. II. p. 33.

— — *Chemn.* ed. II. Helix N. 594. t. 93. f. 4. 2.

Habitat in republica mexicana.

501. *H. indistincta* Férussac.

T. subobtecte perforata, depresso-globosa, tenuis, nitida, oblique striatula, fusca, interdum pallide cingulata; anfr.  $4\frac{1}{2}$  planiusculi; apertura lunato-elliptica; perist. intus album, superne simplex, margine columellari dilatato, intus tubere elongato, calloso instructo. — Diam. maj. 13, min. 11, alt. 8 mill. (Coll. Nr. 293.)

*Helix indistincta* (Helicogena) Fér. pr. 82. Hist. t. 38. f. 1.

— — Pfr. Symb. II. p. 30.

— — Phil. Icon. I. 2. p. 22. t. 2. f. 4.

— — Chemn. ed. II. Helix N. 592. t. 93. f. 5. 6.

*Otala indistincta* Beck ind. p. 36.

$\beta$ . Minor, anfractu ultimo subangulato: diam. maj.  $10\frac{2}{3}$ , min. 9, alt. 6 mill. (Coll. Dunker.)

Habitat in insula Haïti (Mus. Paris.);  $\beta$  in Mexico (David).

502. *H. punctulata* Sowerby.

T. subobtecte umbilicata, subglobosa, concentrice lineata, flavo-fusca, fasciis 2 saturate brunneis vel nigricantibus ornata, epidermide setigera induta; spira breviuscula; sutura distincta, depressiuscula; anfr. 5, ultimi convexi; apertura rotundato-lunaris; perist. simplex, margine dextro breviter expanso, columellari dilatato, albo, reflexo. — Diam. maj. 17, min. 14, alt. 13 mill. (Coll. Nr. 294.)

*Helix punctulata* Sow. in Zool. Journ. I. p. 56. t. 3. f. 2.

— — Lowe Faun. Mader. p. 52. t. 6. f. 7. 8.

— — Fér. hist. t. 28 B. f. 31 et 4?

— — Wood suppl. t. 8. f. 80.

— — Lam. ed. Dh. 139. p. 93.

— — Chemn. ed. II. Helix N. 594. t. 93. f. 14—16.

*Galaxias punctulata* Beck ind. p. 42.

$\alpha$ . Setulosa: t. subtenuis, subinflata, scabra, spinelloso-hispida. Axis  $\frac{1}{2}$  diam.  $\frac{3}{4}$  poll. (Lowe f. 7.)

$\beta$ . Solida: t. solida, glabriuscula, pallida. Axis  $\frac{3}{8}$ , diam.  $\frac{1}{2}$  poll. (Lowe f. 8.)

$\gamma$ . Major, subfossilis: diam. 24, alt. 22 mill. (ic. Féruss.)

*Helix Bowdichiana* Fér. hist. t. 28 B. f. 5. 6.

*Galaxias Bowdichiana* Beck ind. p. 42.

Habitat in insula Portosancto.

503. *H. pellicula* Férussac. †

T. subumbilicata, conoideo-globosa, tenuis, laevis, lutescens, fusco-trifasciata; anfr. 4—5 planiusculi; apertura lunato-rotun-

data; perist. simplex, margine columellari dilatato. — Diam. maj. 4½, min. 44, alt. 42 mill. (ex ic. Féruss.)

*Helix pellicula* (Helicostyla) Fér. hist. t. 105. f. 4.

— — Wood suppl. t. 7. f. 54.

— — Chemn. ed. II. Helix N. 436. t. 72. f. 24—26.

Habitat...?

504. *H. consors* Lowe.

T. subperforata, orbiculato-convexa, superne costulato-granulata, basi laevigata, striatula, nitida, albido et fusco variegata, subtus pallidior; spira convexa; anfr. 6 convexiusculi, ultimus rotundatus, basi convexus, antice subito deflexus; perforatio punctiformis; apertura lunato-ovalis, intus alba; perist. simplex, marginibus distantibus, supero recto, basali reflexiusculo. — Diam. maj. 9, min. 8, alt. 5½ mill. (Coll. Nr. 295. Spec. Lowean.)

*Helix consors* Lowe Faun. Mader. p. 54. t. 6. f. 3.

— — Chemn. ed. II. Helix N. 582. t. 92. f. 4. 2.

*Ochthephila consors* Beck ind. p. 47.

Habitat in insula Portosancto.

505. *H. lancerottensis* Webb et Berth. †

T. minuta, trochiformis, subglobosa, striatula, sordide fusca, variata; apertura semicircularis; vertex obtusus; anfr. 4¼. — Axis 2½, diam. 2 lin. (W. et B.)

*Helix lancerottensis* Webb et Berth. syn. p. 346.

— — Orb. canar. p. 60. t. 1. f. 24. 25.

*Ochthephila lancerottensis* Beck ind. p. 48.

Habitat ad oram maritimam insulae Lancerottae.

§. 44.

506. *H. pernobilis* Martyn. †

T. umbilicata, depresso-globosa, laevis, rufa; anfr. 5½ convexiusculi, ultimus ventrosus; umbilicus angustus, pervius; apertura lunato-circularis, intus coerulescenti-albida; perist. simplex, marginibus conniventibus, columellari et basali albis, reflexis. — Diam. maj. 65, min. 49, alt. 42 mill. (ex ic. Féruss.)

*Helix pernobilis* Martyn Univ. Conch. III. 447.

— — (Helicella) Fér. pr. 482. Hist. t. 74. f. 3.

Habitat...?

Obs. Cl. Beck hanc speciem, quam solum ex icone Ferussaciana novi et descripsi, ad *H. peruvianam* Lam. (latissime umbilicatam) dubitanter refert!

507. *H. Buffoniana* Pfr.

T. anguste umbilicata, subglobosa, distincte granulata, plicis validis obliquis exasperata, castanea, albo irregulariter strigata, fasciis 3 nigris obsoletis ornata; spira parvula, conoidea, obtusa; anfr. 4 convexi, ultimus permagnus, vesicularis; apertura lunato-ovalis, intus livida, margaritacea; perist. obtusum, marginibus conniventibus, columellari arcuato, fornicatum reflexo, umbilicum fere tegente, basali incrassato, breviter reflexo. — Diam. maj. 47, min. 38, alt. 34 mill. (Coll. Nr. 296.)

*Helix Buffoniana* Pfr. in Zeitschr. f. Mal. 1845. p. 152.

— — *Phil.* Icon. II. 15. Helix t. 9. f. 2.

— — *Chemn.* ed. II. Helix N. 589. t. 92. f. 11—13.

— . . . . *Fér.* hist. t. 47 A. f. 17. 18.

Habitat ad Rio frio reipublicae mexicanae.

Obs. Peraffinis sequenti; differt magnitudine, sculptura multo validiore. anfractu ultimo vesiculari, margine columellari appresso, umbilicum fere occultante, etc.

508. *H. Humboldtiana* Valenciennes.

T. anguste umbilicata, subglobosa, oblique rugosa, granulosa, fasciis 3 badiis cincta, epidermide fusca strigatim induta; anfr. 4 convexiusculi, ultimus ventrosus; apertura magna, lunato-rotundata, intus nitide alba, trifasciata; perist. simplex, marginibus conniventibus, columellari late expanso, patente, basali subreflexo. — Diam. maj. 30, min. 24, alt. 20 mill. (Coll. Nr. 297.)

*Helix Humboldtiana* Val. in Mus. Paris.!

— — *Pfr.* Symb. I. p. 37.

— — *Phil.* Icon. II. 9. p. 3. t. 6. f. 7.

— — *Chemn.* ed. II. Helix N. 590. t. 92. f. 18. 19

— *badiocincta* Wieg. in Mus. Reg. Berol. olim.

Habitat in republica mexicana: Desierto, venta di Guajmilpan (Hegewisch in litt.).

509. *H. nitidiuscula* Sowerby.

T. anguste umbilicata, depresso-globosa, striata et punctulata, flavida, superne lineis 3 rufis circumdata; anfr. 5½ convexi, ultimus basi subinflatus; apertura subcircularis; perist. simplex, tenue, margine columellari subdilatato, umbilicum non occultante, basali subreflexo. — Diam. maj. 43, min. 41½, alt. 9 mill. (Coll. Nr. 298.)

*Helix nitidiuscula* Sow. in Zool. Journ. I. p. 57. t. 3. f. 4.

— — *Lowe* Faun. Mader. p. 52. t. 6. f. 6.

— — *Fér.* hist. t. 28 B. f. 1. (dextr.)

— — *Lam.* ed. Dh. 435. p. 94.

— — *Chemn.* ed. II. Helix N. 604. t. 94. f. 5. 6.

*β. Major*, testa superne castanea, ad peripheriam luteo-fasciata, basi pallide lutea: diam. maj. 15, min. 12½, alt. 40 mill. (Spec.)

*Helix nitidiuscula* Fér. t. 28 B. f. 1. (2 fig. sinistr.)

— — var. *Chemn.* l. c. t. 94. f. 7. 8.

Habitat in insulis Madera et Portosancto vulgatissima. (Lowe.)

510. *H. lurida* Lowe. †

T. subglobosa, depressiuscula, subtus convexa, umbilicata, tenuiuscula, fusco-subfasciata, nitidiuscula; sutura distincta; anfr. 5½—6 convexi, minutissime et obsoletissime reticulato-granulati, ultimus rotundatus, juxta suturam granulatus, inferne laevis; umbilicus parvus, cylindricus, profundus, apertus; apertura lunaris, subovalis; perist. simplex. — Axis 3, diam. 5 lin. (L.) — Diam. 40½, alt. 6 mill. (ex ic.)

*Helix lurida* Lowe Faun. Mader. p. 52. t. 6. f. 5.

Habitat in montibus insulae Portosancto.

511. *H. Auberii* Orbigny. †

T. orbiculato-convexa, tenuis, alba, umbilicata, irregulariter substriata, obsolete angulata; spira conica; anfr. 6, ultimus magnus; apertura subrotunda. — Diam. 12, alt. 9 mill. (O.)

*Helix Auberii* Orb. moll. cub. I. p. 157. t. 7. f. 13—16.

Habitat in insula Cuba.

\* \* \*

512. *H. Kraussi* Pfr.

T. umbilicata, globuloso-depressa, confertim striata, corneo-fusca; spira parum elevata; anfr. 4½ vix convexiusculi, rapide accrescentes, ultimus latus, subdepressus, antice deflexus; umbilicus mediocris, pervius; apertura perobliqua, truncato-ovalis; perist. simplex, margine supero recto, columellari dilatato, reflexo. — Diam. maj. 29, min. 23½, alt. 16 mill. (Coll. Krauss.)

*Helix Kraussi* Pfr. Symb. III. p. 70.

*β. Minor*, tenuis: diam. maj. 21, min. 17, alt. 11 mill.

Habitat in sylvis prope George et Knysna in provincia Outeniqua promontorii bonae spei. (Legit Cl. Krauss.)

513. *H. stigmatica* Pfr.

T. umbilicata, orbiculato-depressa, tenuis, luteo-cornea, subdiaphana, minutissime granulata (hispida?); spira plana; anfr. 4½ convexi, supremi horizontales, ultimus sensim descendens, rotundatus; apertura lunato-subcircularis; perist. simplex, rectum,



margine dextro vix expansiusculo, columellari parum reflexo. — Diam. maj. 47, min. 44, alt.  $8\frac{1}{2}$  mill. (Coll. Nr. 299.)

*Helix stigmatica* Pfr. Symb. I. p. 40.

— — *Phil.* Icon. II. 9. p. 4. t. 6. f. 6.

— — *Chemn.* ed. II. *Helix* N. 609. t. 95. f. 20—22.

Habitat in insula Cuba, ubi legit amicus E. Otto.

#### 514. *H. crassula* Philippi.

T. anguste umbilicata, fusco-cornea, subopaca, supra depressiuscula, subtus tumidior; anfr.  $4\frac{1}{2}$  convexi, ultimus non descendens, subcompressus; columella recte descendens; apertura verticalis, lunaris; perist. simplex, margine dextro arcuato, columellari breviter reflexo. — Diam. maj.  $42\frac{1}{2}$ , min.  $40\frac{3}{4}$ , alt.  $7\frac{2}{3}$  mill. Apert. alt. 6, lat.  $5\frac{2}{3}$  mill. (Spec. Mus. Halens.)

*Helix crassula* Phil. Icon. I. 7. p. 152. t. 5. f. 3.

Habitat in insula Java.

Obs. 1. Specimina non detrita et juniora pilosa sunt. — Forma similis *H. velutinae* Lam., umbilico et aperturae forma diversa.

Obs. 2. Hoc loco conf. *H. barbula* Nr. 550.

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#### 515. *H. compacta* Lowe.

T. perforata, orbiculato-convexa, solidiuscula, superne costulato-striata et granulata, basi laevigata, striatula, nitida, albido et corneo variegata, subtus obsolete fusco-unifasciata; spira convexa; anfr. 6 vix convexiusculi, ultimus obsolete angulatus, antice vix descendens; umbilicus minimus; apertura lunato-circularis; perist. simplex, marginibus approximatis, basali reflexiusculo. — Diam. maj. 6, min.  $5\frac{1}{3}$ , alt. 4 mill. (Coll. Nr. 300.)

*Helix compacta* Lowe Faun. Mader. p. 50. t. 6. f. 2. (auct.)

— — *Chemn.* ed. II. *Helix* N. 645. t. 99. f. 25—27.

— ... ? Sow. in Zool. Journ. I. p. 58. t. 3. f. 8. (absq. nom.)

— *innominata* Gray in Ann. of Phil. New ser. IX. p. 412.

*Ochthephila innominata* Beck ind. p. 17.

Habitat in insula Portosancto.

#### 516. *H. candidata* Menke.

T. perforata, subglobosa, pallide cornea, tenuiuscula, superne granulato-costata, basi nitidula, striatula, minute granulosa; spira semiglobosa; anfr.  $6\frac{1}{2}$  angusti, convexi, ultimus superne vix latior, obsolete angulatus, basi convexiusculus, minute perforatus, antice vix deflexus; apertura depresso-circularis; perist. simplex,

marginibus approximatis, basali reflexiusculo. — Diam. maj. 7, min. 6, alt.  $4\frac{1}{2}$  mill. (Coll. Menke.)

*Helix candidata* Mke in Pfr. Symb. III. p. 70.

— — Chemn. ed. II. Helix N. 646. t. 99. f. 34—36.

Habitat in insula Madera?

Obs. Differt a praecedente testa superne ruditer costata, basi granulata, anfractibus convexis, etc.

§. 42.

517. *H. canaliculata* Pfr. †

T. orbiculato-ovata, latissime umbilicata, depresso-convexuscula, tenuissima, fragilis, subhyalina, epidermide luteo-fuscescente, subtus luteo-viridescente; spira obtusa; anfr. 5 convexi, sutura profunda, canaliculata discreti, oblique, creberrime, profunde et undulatim striati: striis ad paginam inferiorem rugaeformibus, laxis, irregularibus, tenuissimis, creberrimis ac concentricis sub lente perspicuis; umbilicus largus, dilatatus usque ad apicem; apertura ovata, albida, reflexiuscula; labrum superne extus depressum. — Diam. 47, alt. 20 mill. (Guill.)

*Helix canaliculata* Pfr. Symb. III. p. 23.

— undulata Le Guill. in Revue zool. 1845. p. 187. Nec Fér.

Habitat rarissima ad Triton-Bay Novae Guineae.

518. *H. laxata* Férussac.

T. late umbilicata, orbiculato-depressa, tenuis, confertissime ruguloso-striata, superne fulvo-rufescens, basi nitide fulvo-virescens, lineis concentricis confertissimis minute decussata; spira vix elevata; anfr.  $4\frac{1}{2}$ —5 convexiusculi, rapide accrescentes, ultimus latus, depressus, antice descendens; apertura subhorizontalis, ampla, transverse ovalis, intus margaritacea; perist. subsimplex, margine supero tenui, vix expansiusculo, basali subcalloso, reflexo. — Diam. maj. 45, min. 35, alt. 16 mill. (Coll. Nr. 304.)

*Helix laxata* (Helicella) Fér. pr. 181. Hist. t. 74. f. 3.

— — Chemn. ed. II. Helix N. 595. t. 93. f. 11—13.

— peruviana Lam. 41. p. 76. ed Dh. p. 45.

— Deshayesi Ant. Verz. p. 38. N. 1411.

*Macrocyclus peruviana* Beck ind. p. 24.

β. Maxima: diam. maj. 60, min. 48, alt. 22 mill. (Spec.)

*Helix Banksii* Cuming in sched.

— laxata var. Chemn. l. c. t. 93. f. 9. 10.

γ. Junior: H. umbilicata Anton Verz. p. 38?

Habitat in Chile, nec in Peruvia (Cuming).

519. *H. Vancouverensis* Lea.

T. late umbilicata, orbiculato-depressa, solidiuscula, minutissime et confertim striata et rugulosa, olivaceo-cornea; spira vix elevata; anfr. 4 —  $4\frac{1}{2}$  planiusculi, sensim accrescentes, ultimus basi subcompressus, antice deflexus; apertura perobliqua, subcircularis; perist. superne depressum, simplex, basi incrassatum, breviter reflexum, marginibus approximatis. — R. a. = 3 : 4. — Diam. maj. 31, min. 26, alt. 44 mill. (Coll. Nr. 302.)

*Helix Vancouverensis* Lea obs. II. p. 87. t. 23. f. 72.

— — Pfr. Symb. II. p. 44.

— — Chemn. ed. II. Helix N. 596. t. 94. f. 24 — 23.

Habitat in America boreali, frequens in ripis fluvii Columbia-River, Oregon.

520. *H. Sinclairi* Pfr.

T. late umbilicata, depressa, tenuis, regulariter et confertim costulato-striata, fulvo-flava, lineis rufis interruptis multifasciata; spira subplanulata; anfr. 4 planulati, sutura levi disjuncti, celeriter accrescentes, ultimus depressus, antice valde deflexus; apertura perobliqua, lunato-ovalis; perist. simplex, marginibus approximatis, dextro recto, columellari obliquo, breviter reflexo, calloso. — Diam. maj. 47, min. 43, alt.  $7\frac{1}{2}$  mill. (Spec. Mus. Britt.)

*Helix Sinclairi* Pfr. in Zeitschr. f. Mal. 1845. p. 454.

Habitat in Van-Diemensland (Dr. Sinclair).

521. *H. planorboides* Rafinesque.

T. late umbilicata, depressa, superne laeviuscula, basi costulato-striata, diaphana, corneo-flavida; spira brevissima; sutura mediocris; anfr. 5 planiusculi, ultimus antice non deflexus; apertura vix obliqua, lunato-circularis; perist. simplex, marginibus approximatis, basali reflexiusculo. — Diam. maj. 44, min. 42, alt.  $6\frac{1}{2}$  mill. (Coll. Nr. 303.) Alia specim. majora.

*Mesomphix planorboides* Rafn. (teste Fér.)

*Helix planorboides* (Helicella) Fér. pr. 211. Hist. t. 82. f. 4.

— — Pfr. Symb. II. p. 37.

— — Chemn. ed. II. Helix N. 608. t. 95. f. 47 — 49.

— *concava* Say in Philad. journ. II. p. 459.

— — Binn. in Bost. journ. III. p. 372. t. 44.

*Circinariu planorboides* Beck ind. p. 24.

Habitat in America boreali: Illinois et Missouri.

522. *H. coactillata* Férussac.

T. late umbilicata, depressa, subdiscoidea, tenuis, sub lente minutissime granulato-striata, haud nitens, pallide cornea, fasciis

angustis, rufis 3 — 4 ornata; spira vix elevata; anfr. 4 convexi, ultimus antice subdeflexus, basi vix latior; apertura perobliqua, subcircularis; perist. simplex, marginibus fere contiguis, supero recto, basali breviter reflexo. — Diam. maj. 44, min. 9½, alt. 4 mill. (Coll. Nr. 304.)

*Helix coactiliata* Fér. Mus.

— — — *Desh.* in *Fér.* hist. p. 18. t. 72. f. 4—5. \*)

— — — *Chemn.* ed. II. *Helix* N. 640. t. 95. f. 23—25.

— *fasciata* Nyst in sched. Nec Risso, nec Guild.

— *Nystiana* Pfr. in Proc. Zool. Soc. 1845. p. 430.

Habitat in Real Llejós provinciae Nicaraguae Americae centralis (Cuming), in Tabasco (Nyst), circa Touspan in Peruvia (Desh.)

### 523. *H. suturalis* Pfr.

T. late umbilicata, depressa, subdiscoidea, tenuis, sub lente minutissime granulosa (pilosa), fusco-cornea; spira plana, medio subimmersa; sutura profunda; anfr. 4 convexissimi, ultimus antice descendens; apertura perobliqua, subcircularis; perist. simplex, marginibus conniventibus, dextro recto, superne fornicato, columellari subrecedente, arcuato, basaliq. breviter reflexis. — Diam. maj. 40, min. 9, alt. 4 mill. (Mus. Cuming.)

*Helix suturalis* Pfr. in Proc. Zool. Soc. 1846. p. 37.

Habitat in Honduras (Dyson).

Obs. Peraffinis praecedenti; differt umbilico minus dilatato, anfractibus superne fornicatim elevatis et aperturae forma.

### 524. *H. Beckiana* Pfr.

T. umbilicata, orbicularis, tenuis, oblique striata, fusca, vix nitidula; spira parum elata; sutura linearis; anfr. 6 planiusculi, ultimus deflexus, basi planiusculus, ad peripheriam angulatus; angulo ad aperturam obsoleto; umbilicus majusculus, pervius; apertura fere horizontalis, subtrapezoidalis; perist. simplex, margine columellari brevi, basali reflexo, quasi in tuberculum incrassato. — R. a. = 5 : 6. — Diam. maj. 22, min. 19, alt. 40 mill. (Coll. Nr. 305.)

*Helix Beckiana* Pfr. in Proc. Zool. Soc. 1842. p. 87.

— — — *Pfr.* Symb. II. p. 23.

— — — *Phil.* Icon. I. 4. p. 79. t. 4. f. 8.

— — — *Chemn.* ed. II. *Helix* N. 597. t. 93. f. 7. 8.

Habitat prope «Nueva Ecija» insulae Luzon (Cuming).

\*) T. discoidea, supra plana, depressa, pilosa, corneo-lutescente, fusco-rubescens quadrizonata (vel trizonata, vel superne unizonata); anfr. convexi, ultimo basi late umbilicato; apertura subcirculari, obliqua; margine reflexo, tenui, albicante. — Diam. 42, alt. 4 mill. (Desh. l. c.)

525. *H. Winteriana* Pfr.

T. umbilicata, depressa, superne convexiuscula, pallide cornea, nitidula, obsolete carinata; anfr.  $5\frac{1}{2}$  planiusculi, ultimus descendens; umbilicus latus, pervius; apertura subcircularis; perist. tenue, simplex, margine basali subreflexo. — Diam. maj. 42, min. 44, alt. 6 mill. (Coll. Nr. 306.)

*Helix Winteriana* Pfr. Symb. II. p. 44.

— — *Phil.* Icon. I. 2. p. 23. t. 2. f. 7.

— — *Chemn.* ed. II. *Helix* N. 605. t. 95. f. 1. 2.

$\beta$ . Minor, carina distinctiore: diam. maj. 9, min. 8, alt.  $4\frac{1}{2}$  mill. (Mus. Cuming.)

Habitat in insula Java (Winter); var.  $\beta$  in insula Guimaras Philippinarum (Cuming).

Obs. Similis *H. umbrosae*, umbilico magno, deficiente labio interno aperturæ, etc. distincta.

526. *H. Huttoni* Pfr.

T. umbilicata, orbiculato-convexiuscula, subdiaphana, pallide cornea, epidermide scabra induta; anfr. 6 convexiusculi, ultimus angulatus, antice vix descendens; umbilicus latiusculus, perspectivus; apertura obliqua, lunato-rotundata; perist. simplex, marginibus conniventibus, dextro recto, basali breviter reflexo, columellari subdilatato, patente. — Diam. maj. 40, min. 9, alt.  $5\frac{1}{2}$  mill. (Mus. Cuming.)

*Helix Huttoni* Pfr. Symb. II. p. 82.

— *orbicula Hutt.* in Journ. As. Soc. VII. p. 217. \*) Nec Orb.

Habitat in Himalaya, prope Simla, Mahassu (Hutt.), Landour (Benson).

## §. 43.

527. *H. Delessertiana* Le Guillou. †

T. orbiculato-depressa, subtus convexior, tenuis, albido-fuscescens, hyalina; anfr.  $5\frac{1}{2}$  subvitrei, superne convexo-depressi. striis obliquis, creberrimis pulchre sculpti; sutura subcanaliculata; umbilicus latus, profundus; labium superne reflexum. — Diam.  $46\frac{1}{2}$ , alt. 40 mill. (Guill.)

*Helix Delessertiana* Le Guillou in Revue zool. 1842. p. 138.

Habitat in insula Warrior «detroit de Torrès».

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\*) T. orbiculato-convexa, fuscescente, epidermide scabra; anfr. 6 convexiusculi, ultimo ad peripheriam subangulato; umbilico profundo, latiusculo. perist. subrotundo, acuto. — Diam. 0.4 poll. (Hutt. l. c.)

528. *H. Hartmanni* Pfr.

T. umbilicata, depressa, subdiscoidea, acute carinata, arcuatim distincte striata, unicolor, fusca; spira vix elata; sutura linearis; anfr. 6 planulati, ultimus non descendens, basi convexiusculus; umbilicus magnus, perspectivus; apertura depressa, securiformis; perist. rectum, margine supero simplice, antrorsum arcuato, basali subincrassato. — Diam. maj. 26, min. 24, alt. 8 mill. (Coll. Nr. 307.)

*Helix Hartmanni* Pfr. in Proc. Zool. Soc. 1845. p. 125.

— — Chemn. ed. II. *Helix* N. 598. t. 94. f. 16—18.

Habitat . . . ?

529. *H. rotatoria* v. d. Busch.

T. umbilicata, lenticularis, fusca, oblique striata, acute carinata; spira vix convexa; anfr. 6 planiusculi, ultimus basi inflatus, circa umbilicum latum, infundibuliformem obtuse angulatus; apertura lunato-subcircularis; perist. subsimplex, basi reflexiusculum. — Diam. maj. 16, min. 15, alt. 7 mill. (Coll. Nr. 308.)

*Helix rotatoria* v. d. Busch in Phil. Icon. 1. 4. p. 10. t. 1. f. 5.

— — Pfr. Symb. II. p. 38.

— — Chemn. ed. II. *Helix* N. 606. t. 95. f. 3—5.

Habitat in insula Java (Winter).

529\*. *H. Osbeckii* Philippi.

T. mediocriter umbilicata, depressa, tenuis, striatula, subtilissime punctato-exasperata, diaphana, pallide corneo-lutescens; spira parum elevata; anfr. 6 subplanulati, ultimus carinatus, basi convexus, antice vix descendens; apertura obliqua, subquadrangularis, intus margaritacea; perist. simplex, marginibus subparallelis, dextro recto, basali reflexiusculo, columellari vix dilatato. — Diam. maj. 15, min. 13½, alt. 7 mill. (Coll. Philipp.)

*Helix Osbeckii* Phil. in Zeitschr. f. Malak. 1847. p. 65.

Habitat in China (teste Largilliert).

Obs. Ab *H. rotatoria* umbilico multo angustiore et forma aperturæ, ab *H. Winteri* et *Huttoni*, quibus peraffinis, iisdem characteribus et carina acuta distinguenda.

530. *H. oejacensis* Koch.

T. umbilicata, depressa, oblique striata, asperula, sub lente minutissime granulosa, obtuse carinata, corneo-rufa, fasciis 2 luteis, altera ad carinam, altera in parte supera anfractus ultimi ornata; anfr. 4½ vix convexiusculi; umbilicus latiusculus, pervius; apertura lunato-subcircularis, intus rufa, albo-bifasciata; perist.

acutum, basi reflexum. — Diam. maj. 15, min. 13, alt 8 mill. (Coll. Koch.)

*Helix oajacensis* Koch in Phil. Icon. I. 2. p. 23. t. 2. f. 6.

— — *Pfr.* Symb. II. p. 35.

Habitat prope Oajaca reipublicae mexicanae.

531. *H. sinaitensis* Pfr.

T. umbilicata, orbiculato-convexa, tenuis, confertim striata, cornea; spira convexa, obtusa; anfr. 7 angusti, vix convexiusculi, carina filiformi cincti, ultimus basi convexior; umbilicus latus, perspectivus; apertura rotundato-lunaris; perist. simplex, margine supero brevi, recto, basali valde arcuato, breviter reflexo. — Diam. maj. 10, min.  $9\frac{1}{3}$ , alt. 4 mill. (Mus. Cuming.)

*Helix sinaitensis* Pfr. in Proc. Zool. Soc. 1845. p. 129.

Habitat prope Sinait prov. Ilocos insulae Luzon (Cuming).

532. *H. cyathus* Pfr.

T. umbilicata, orbiculato-conica, superne arcuatim costulato-striata, unicolor fusca; spira elevata, obtuse conica; sutura distincta, crenulato-marginata; anfr.  $6\frac{1}{2}$  convexiusculi, ultimus carinatus, basi sublaevigatus, planiusculus; umbilicus magnus, profundus, cyathiformis; apertura subverticalis, angulato-lunaris; perist. simplex, margine supero recto, basali arcuato, reflexiusculo, columellari breviter descendente. — Diam. maj. 8, min.  $7\frac{1}{2}$ , alt.  $4\frac{1}{2}$  mill. (Coll. Nr. 309.)

*Helix cyathus* Pfr. in Proc. Zool. Soc. 1845. p. 123.

— — *Chemn.* ed. II. *Helix* N. 603. t. 94. f. 19. 20.

Habitat ad S. Juan, prov. Cagayan insulae Luzon (Cuming).

533. *H. cyathellus* Pfr.

T. umbilicata, conica, oblique costata, tenuiuscula, unicolor cornea; spira pyramidata, acutiuscula; anfr. 9 angustissimi, carina filiformi cincti, ultimus basi planiusculus, sublaevigatus; umbilicus majusculus, pervius; apertura depressa, angulato-lunaris; perist. simplex, margine supero brevi, recto, basali leviter arcuato, brevissime reflexo. — Diam. maj.  $5\frac{1}{3}$ , min. 5, alt. 4 mill. (Spec. unic. Mus. Cuming.)

*Helix cyathellus* Pfr. in Proc. Zool. Soc. 1846. p. 41.

Habitat ad Dingle insulae Panay Philippinarum (Cuming).

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534. *H. cariosa* Olivier.

T. umbilicata, orbicularis, carinata, utrinque convexa, alba, crispato-rugellosa, rudis; spira depresso-hemisphaerica; anfr. 5

medio convexi, ultimus antice vix deflexus, circa umbilicum majusculum, pervium abrupte angulatus; apertura angulato-subcircularis; perist. simplex, marginibus callo junctis, columellari crasso, reflexo. — Diam. maj.  $48\frac{1}{2}$ , min. 47, alt. 10 mill. (Coll. Nr. 340.)

*Helix cariosa* Oliv. voyage II. p. 221. t. 34. f. 4.

— — *Lam.* 84. p. 88. ed. Dh. p. 67.

— — (*Helicigona*) *Fér.* pr. 449. Hist. t. 64. f. 3.

— — *Chemn.* ed. II. *Helix* N. 604. t. 94. f. 9. 10.

*Carocolla cariosa* Gray in Ann. of Phil. New ser. IX. p. 412.

*Leucochroa cariosa* Beck ind. p. 16.

Habitat in Syria, prope Berytum (Oliv.).

### 535. *H. Otthiana* (*Carocolla*) Forbes.

T. umbilicata, depressa, sublenticularis, carinata, alba, striata; spira convexa; sutura subcrenulata; anfr. 5 planulati, sensim accrescentes, ultimus antice vix deflexus; apertura perobliqua, rotundato-lunaris, subangulata; perist. simplex, sublabiatum, margine columellari valde dilatato, reflexo, umbilicum partim tegente. — Diam. maj. 23, min.  $19\frac{1}{2}$ , alt. 10 mill. (Coll. Nr. 344.)

*Carocolla Otthiana* Forb. in Ann. et Mag. nat. hist. II. p. 250.

*Helix Jeannotiana* Terv. cat. p. 20. t. 2. f. 11. 12.

— — *Rossm.* IX. p. 6. f. 564.

— *Otthiana* *Chemn.* ed. II. *Helix* N. 600. t. 94. f. 11. 12.

Habitat in Africa boreali, prope Bugia.

## §. 44.

### 536. *H. Gouldi* Pfr.

T. umbilicata, orbiculato-conica, tenuiuscula, subtiliter striatula, vix nitidula, unicolor fusca; spira elevata, conoidea; anfr. 6 convexiusculi, ultimus carinatus, antice subrotundatus, basi planior; umbilicus mediocris, pervius; apertura lunato-circularis; perist. simplex, marginibus subconniventibus, dextro recto, columellari subdilatato, patente, basali reflexiusculo. — Diam. maj.  $9\frac{1}{2}$ , min. 9, alt. 6 mill. (Coll. Nr. 342.)

*Helix Gouldi* Pfr. in Proc. Zool. Soc. 1845. p. 124.

— — *Chemn.* ed. II. *Helix* N. 607. t. 95. f. 6. 7.

Habitat in provincia Lagunas ins. Luzon et ins. Negros (Cuming).

### 537. *H. nigrifella* Pfr.

T. umbilicata, conoideo-depressa, solidiuscula, fusca, epidermide nigricanti-olivacea induta; anfr.  $5\frac{1}{2}$ , vix convexiusculi, lente crescentes, ultimus basi convexus, medio acute carinatus;



umbilicus mediocris, pervius; apertura securiformis; perist. simplex, margine supero antrorsum arcuato, acuto, basali reflexo. — Diam. maj.  $4\frac{1}{2}$ , min. 43, alt.  $7\frac{1}{2}$  mill. (Coll. Nr. 343.)

*Helix nigrutella* Pfr. in Phil. Icon. II. 9. p. 4. Helix t. 6. f. 8

— — Chemn. ed. II. Helix N. 602. t. 94. f. 4—4.

Habitat in insulis oceani pacifici (Cuming).

Obs. Variat testa magis minusve depressa, interdum conica (diam.  $4\frac{1}{2}$ , alt. 9 mill.), umbilico latiore et angustiore.

### 538. *H. approximata* Le Guillou. †

T. discoidea, conico-depressa, umbilicata, carinata, fusca, cinereo-lutescente variegata; anfr. 6—7 subconvexi, basi depressi, ultimus margine acutus, subtus convexus, radiatim tenuiter striolatus, striis concentricis signatus; spira conico-depressa; umbilicus profundus; apertura oblique quadrata, incrassata, anterius acuta, superne producta, exteriusque compressa. — Diam. 47, alt. 44 mill. (Guill.)

*Helix approximata* Le Guill. in Revue zool. 1842. p. 439.

Habitat in insulis Ternate et Hogoleu.

Obs. «Affinis *H. exclusae* Fér.»

### 539. *H. trochiformis* Férussac.

T. umbilicata, solida, trochiformis, apice obtusa, basi plana, acute carinata, oblique ruguloso-striata, saturate rufa vel fuscolutea, nigricanti-fasciata; anfr. 6 supra carinam prominentem stramineam convexiusculi; umbilicus angustus, pervius; apertura irregulariter rhombea; perist. superne simplex, rectum, antrorsum dilatatum, margine columellari recte descendente, subdilatato, basali reflexiusculo. — Diam. maj.  $46\frac{1}{2}$ , min. 45, alt. 9—40 mill. (Coll. Nr. 344.)

*Helix trochiformis* (Helicella) Fér. pr. 304. et Mus.!

— — Pfr. Symb. II. p. 40.

— — Chemn. ed. II. Helix N. 68. t. 43. f. 7. 8.

*Carocolla circumdata* Mühlf. Ant. Verz. p. 40. N. 1464.

Habitat in insulis Taheiti et Opara (Ant.); Isle de France (Fér.)

### 540. *H. serrula* Benson.

T. anguste umbilicata, subdepressa, subconoidea, corneo-albida, subtus convexa, apice acuta; anfr. 7 supra confertissime radiatim plicati, marginati, marginibus elevatis, ultimus infra laevior, peripheria marginata, serrata; apertura angulato-lunaris:

perist. simplex, acutum, margine basali reflexiusculo. — Diam. maj. 44, min. 42, alt.  $7\frac{1}{2}$  mill. (Spec. Mus. Britt.)

*Helix serrula* Benson in Journ. As. Soc. V. p. 352.

Habitat in Bengalìa.

Obs. Conf. H. Bensoni v. d. Busch. (Nr. 563.)

541. *H. tapeina* Benson. †

T. subconoidea, supra convexa, subtus tumida, epidermide minutissime corrugata; periphèria angulata; perist. non continuum, subreflexum; umbilicus mediocris, profundus, omnes anfractus exhibens. — Diam. 0,6 poll. (B.)

*Helix tapeina* Bens. in Journ. As. Soc. V. p. 352.

— — Ann. and mag. nat. hist. IX. p. 486.

Habitat in Bengalìa, rara in insula Chusan Chinae.

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542. *H. Dumniae* Gray.

T. umbilicata, depressa, fusca, carinata, irregulariter granulato-striata; spira parum elevata, obtusa; anfr. 4 planulati, ultimus antice paululum descendens, basi convexus, circa umbilicum mediocrem infundibuliformem compressus; apertura perobliqua, irregularis, transverse oblonga, latere effusa; perist. simplex, margine supero depresso, antrorsum dilatato, columellari breviter reflexo. — Diam. maj. 24, min. 20, alt. 44 mill. (Spec. Mus. Britt.)

*Helix Dumniae* Gray in Ann. and mag. nat. hist. VI. 1844. p. 347. \*)

— — Pfr. Symb. III. p. 70.

Habitat in Nova Seelandia.

543. *H. Guillouii* Pfr. †

T. discoidea, carinata, acuta, umbilicata, depresso-convexa, longitudinaliter tenue et oblique striata; anfr. 5 planuli, lineis rufis trifasciati, supremi unifasciati et convexiusculi; infima facies unifasciata, subconvexa, striolis sub lente tenue cancellata; apertura ovata, antèrius angulata, superne acuta, inferne reflexa; umbilicus latus, profundus. — Diam. 23, alt. 8 mill. (Guill.)

*Helix Guillouii* Pfr. Symb. II. p. 84.

— Valenciennesii Le Guill. in Revue zool. 1842. p. 139.

Nec Ryd.

Habitat . . . ?

\*) \*T. depressa, lata, umbilicata, fusca, anfractu ultimo subangulato, glabro. (Gray l. c.) — Eandem esse ipse affirmavit Cl. Gray.

544. **H. dictyodes Pfr.**

T. anguste umbilicata, depressa, sublenticularis, oblique plicato-striata, tenuiuscula, diaphana, pallide cornea, fusco subtiliter reticulata maculisque castaneis justa suturam et carinam ornata; spira late conoidea; anfr. 7 vix convexiusculi, ultimus acute carinatus, antice non descendens; apertura subverticalis, depressa, lunaris, intus margaritacea; perist. simplex, margine columellari breviter dilatato-patente, basali sinuoso, reflexiusculo. — Diam. maj. 27, min. 23, alt. 12 mill. (Mus. Cuming.)

*Helix dictyodes* Pfr. in Proc. Zool. Soc. 1846. p. 111.

— — *Phil.* Icon. III. 17. Helix t. 40. f. 9.

Habitat in Nova Guinea (Ince).

545. **H. tectiformis Sowerby.**

T. umbilicata, depresse semiglobosa, tenuiuscula, calcarca. superne leviter striata, plerumque detrita, basi confertim granulata; spira brevis, obtusa; anfr. 7 planati, lente accrescentes, ultimus acute carinatus: carina late deflexa, tectiformi; apertura trapezia; perist. acutum, superne simplex, rectum, basi reflexiusculum, ad umbilicum angustum, pervium vix dilatatum. — Diam. maj. 46, min. 45, alt. 6½ mill. (Coll. Nr. 345.)

*Helix tectiformis* Sow. in Zool. Journ. I. p. 57. t. 3. f. 6.

— — *Lowe* Faun. Mader. p. 45. t. 5. f. 12.

— — *Wood* suppl. t. 8. f. 83.

— — *Lam.* ed. Dh. 207. p. 126.

— — *Chemn.* ed. II. Helix N. 599. t. 94. f. 13—15.

*Leucochroa tectiformis* Beck ind. p. 16.

*Carocolla tectiformis* Swains. Malac. p. 328.

Habitat in insula Baxo prope Portosancto.

546. **H. Bulweriana Lowe.**

T. umbilicata, semiglobosa, solidiuscula, minutim striata et sub lente minutissime granulata, fulva, fusco varie fasciata et marmorata; spira hemisphaerica, obtusa; sutura obsoleta; anfr. 8 plani, angusti, subaequales, ultimus acute carinatus, subtus planulatus; apertura semicircularis; perist. superne simplex, rectum, marginibus callo tenui junctis, basali incrassato, ad umbilicum angustum, pervium subreflexo. — Diam. maj. 47, min. 46, alt. 8 mill. (Coll. Nr. 346.)

*Helix Bulweriana* Lowe Faun. Mader. p. 44. t. 5. f. 11.

— — *Chemn.* ed. II. Helix N. 69. t. 13. f. 9. 10.

— *Bulweri* Wood suppl. t. 8. f. 82.

— *rota* Pot. et Mich. gal. I. p. 106?

*Carocolla variegata* Mke syn. ed. 2. p. 24.

*Carocolla Buhoeriana* Villa disp. p. 19.

*Chilotrema Buhoeri* Beck ind. p. 28.

Habitat in insula Portosancto.

**547. *H. hispidula* (Carocolla) Lamarck. †**

T. orbiculato-depressa, subtus convexiuscula, carinata, substriata, hispidula, fusco-cornea; spira depresso-conica; anfr. 5 carinati; apertura suborbicularis, compressa; perist. reflexum, acutum; umbilicus magnus, patulus. — Diam. 44, alt. 6 mill. (Orb.)

*Carocolla hispidula* Lam. 15. p. 99. \*) ed. Dh. p. 148.

*Helix Bertheloti* Fér. Mus. et Bull. zool. 1835. p. 90.

— — Orb. canar. p. 65. t. 2. f. 4—6.

— *barbata* Fér. hist. t. 66. f. 4.

Habitat in insula Teneriffa.

Obs. Difficile est, synonymiam hujus speciei, quam obtinere mihi non dum contigit, eruere. — Lamarckius *H. lentem* Fér. huc refert, valde diversam, Graeciae incolam. — *H. barbata* Fér. f. 4 et *H. Bertheloti* Orb. ex iconibus nullo modo differre videntur, et si Lamarckii species non est eadem, nomen *H. Bertheloti* praeponendum erit.

**548. *H. lens* Férussac.**

T. aperte umbilicata, lenticularis, arctispira, argute carinata, superne costulato-striata, rarissime pilosa, fusco-cornea; anfr. 7 subaequales, planulati; apertura depressa, angustata, sublunaris; perist. album, margine supero simplice, recto, dextro et basali reflexis, callo punctiformi juxta insertionem marginis superi. — Diam. maj. 43, min. 42, alt. 6 mill. (Coll. Nr. 347.)

*Helix lens* (Helicigona) Fér. pr. 152. Hist. t. 66. f. 2!

— — Rossm. VII. p. 40. f. 450!

— — Chemn. ed. II. *Helix* N. 72. t. 43. f. 46. 47.

— *barbata* Desh. Expéd. de Morée. Moll. p. 162.

— — Lam. ed. Dh. 240. p. 128.

*Caracollina lens* Beck ind. p. 28?

*Carocolla barbata* Villa disp. p. 19.

Habitat in Morca et insulis Graeciae.

Obs. Species descripta absque dubio vera *H. lens* Fér. ex icone optima, nunquam autem e Teneriffa allata est. (Conf. Rossm. l. c.)

**549. *H. nummus* (Carocolla) Ehrenberg. †**

T. orbicularis, complanata, utrinque levissime turgida, margine depressiore lenticularis et acute carinata, umbilicata, pellu-

\*) T. orbiculato-depressa, subtus convexiore, umbilicata, tenuiter striata, rufo-fuscescente, subhispidula; labro margine albo, reflexo. — Diam. Caroc. planariae. — Teneriffa (Maugé). Elle n'est point diaphane et n'a point sa carène comprimée comme Caroc. planaria. (Lam. l. c.)

cida, striis transversis curvisque albis (elatis) et fuscis (impressis) alternis varia; anfr.  $5\frac{1}{2}$ ; labrum tenue, subreflexum. — Lat.  $8\frac{1}{2}$ , alt. 3 lin. (E.)

*Carocolla nummus Ehrenb.* Symb. phys. Moll.

Habitat prope Berytum Syriae.

Obs. Conf. H. Hedenborgi Nr. 563.

### 550. *H. barbula* Charpentier.

T. aperte umbilicata, lenticularis, carinata, cornea, arctispira, confertim subtilissime costulata; anfr. 6 planulati, ultimus non descendens, antice constrictus; apertura depressa, angusta, lunato-trisinuata; perist. flexuosum, basi replicatum, albo-labiatum, bidenticulatum. — Diam. maj. 44, min.  $9\frac{1}{2}$ , alt.  $4\frac{1}{2}$  mill. (Coll. Nr. 348.)

*Helix barbula* Charp. in litt. ad Rossm.

— — *Rossm.* VII. (1838.) p. 44. f. 454.

— — *Morelet* moll. du Port. p. 57.

— — *Chemn.* ed. II. *Helix* N. 73. t. 43. f. 48. 49.

— *bituberculata* Fér. Mus. (teste Mor.)

*Carocolla Guerini* Anton Verz. p. 39. N. 4445.

Habitat in Lusitania, ubi legit Cl. Holl.

Obs. Carina plerumque obtusior, immo interdum obsoleta est, teste Morelet.

### 551. *H. turriplana* Morelet. †

T. pallide cornea, depressa, umbilicata, carinata, punctis eminentibus scabriuscula; apex laevis, planissimus, taeniatus; anfr. 6 marginati, ultimus subtus turgidus, circumsulcatus; apertura depressa, angusta, subtetragona; perist. flexuosum, replicatum, callosum, albo-labiatum, bidenticulatum, extus plicis geminis impressis signatum. — Amplit. 42—44 mill. (Mor.) — Diam. maj. 46, min. 44, alt. 5 mill. (ex ic.)

*Helix turriplana* Mor. moll. du Port. p. 59. t. 6. f. 3.

Habitat in Algarbia Lusitaniae, circa Loulé, Faro, Tavira.

### 552. *H. Rangiana* Férussac.

T. aperte umbilicata, lenticularis, acute carinata, cornea, confertim radiato-striata; anfr.  $6\frac{1}{4}$  convexiusculi; apertura depressa lunaris; perist. superne simplex, sinuatum, ad carinam uncinatim recurvatum, margine basali incrassato, reflexo, undentato, extus scrobiculato. — Diam. maj. 42, min. 44, alt. 5 mill. (Coll. Nr. 349.)

*Helix Rangiana* (Helicigona) Fér. hist. t. 65. f. 4.

— — *Mich.* compl. p. 40. t. 44. f. 24—26.

*Helix Rangiana* Lam. ed. Dh. 212. p. 129.

— — Rossm. VIII. p. 39. f. 537.

— — Chemn. ed. II. Helix N. 71. t. 13. f. 13—15.

— . *Rangii* Desh. in Enc. méth. II. p. 133.

*Caracollina Rangiana* Beck ind. p. 28.

*Carocolla Rangiana* Villa disp. p. 19.

Habitat prope Collioure in Pyrenaeis.

553. *H. afflata* Férussac.

T. umbilicata, discoidea, lutescenti-cornea, subpellucida, minutissime striata, nitida; spira plana; anfr.  $5\frac{1}{2}$  plani, acutissime albo-carinati, ultimus subtus medio convexiusculus, circa umbilicum mediocrem, pervium obtuse angulatus; apertura perobliqua, securiformis; perist. superne simplex, acutum, basi arcuatum, reflexum. — Diam. maj.  $4\frac{1}{2}$ , min.  $4\frac{3}{4}$ , alt. 5 mill. (Coll. Nr. 320.)

*Helix afflata* (Helicigona) Fér. pr. 151. Hist. t. 66. f. 5.

— — Chemn. ed. II. Helix N. 613. t. 25. f. 8—10.

— *lens* Webb et Berth. syn. Orb. camer. p. 66. t. 2. f. 7—9.

*Carocolla planaria* Lam. 14. p. 99. ed. Dh. p. 148.

— — Deless. recueil t. 26. f. 12.

*Caracollina afflata* Beck ind. p. 28.

Habitat in insula Teneriffa.

554. *H. planissima* Pfr.

T. umbilicata, depressissima, lenticularis, tenuis, utrinque oblique rugoso-costata, albida, subtus interdum corneo-fasciata; anfr.  $5\frac{1}{2}$  convexiusculi, acute carinati (carina compressa, prominente, serrata), ultimus antice vix descendens, basi convexior, circa umbilicum mediocrem, spiralem subangulatus; apertura depressa, angulato-lunaris; perist. simplex, margine basali plane arcuato, reflexo. — Diam. maj.  $4\frac{1}{2}$ , min.  $4\frac{1}{4}$ , alt.  $\frac{4}{5}$  mill. (Coll. Walton.)

*Helix planissima* Pfr. in Proc. Zool. Soc. 1845. p. 72.

Habitat . . . ?

555. *H. lenticula* Férussac.

T. umbilicata, lenticularis, carinata, subtilissime costulato-striata, fusco-cornea, opaca; anfr. 5 convexiusculi, ultimus antice vix descendens; apertura lunaris; perist. flexuosum, superne simplex, rectum, marginibus callo tenui junctis, columellari reflexiusculo, subtiliter limbato. — Diam. maj.  $8\frac{1}{2}$ , min.  $7\frac{1}{2}$ , alt. 3 mill. (Coll. Nr. 324.)

*Helix lenticula* (Helicigona) Fér. pr. 154. Hist. t. 66. f. 4.

— — Mich. compl. p. 43. t. 15. f. 15—17.

- Helix lenticula* Orb. canar. p. 66. t. 2. f. 10—12.  
 — — Lam. ed. Dh. 211. p. 128.  
 — — Rossm. VII. p. 12. f. 452.  
 — — Morelet moll. du Port. p. 64.  
 — — Chemn. ed. II. Helix N. 74. t. 13. f. 20. 21.  
 — *striatula* Linn. syst. p. 1242?  
 — — Coll. Bull. Bord. IV. p. 98.  
 — *subtilis* Lowe Faun. Mader. p. 45. t. 5. f. 13.  
 — *Pintorella Bonelli* (Villa disp. p. 15.)  
*Carocolla lenticula* Menke syn. ed. II. p. 24.  
 — — Phil. Sicil. I. p. 136.  
*Caracollina lenticula* Beck ind. p. 28.

Habitat in Gallia meridionali, Pyrenaeis, Hispania, Lusitania meridionali, Dalmatia, Sicilia, Graecia, Algeria, Oran (Terv.), Egypto, Cairo (Roth diss. p. 15.), Teneriffa, Madera.

- Obs. 1. Num haec sit Linnaei *H. striatula*, nunquam forsitan cum certitudine erui poterit. Conf. Menke in Zeitschr. f. Mal. 1844. p. 191. 1845. p. 14.  
 Obs. 2. Conferantur species affines in §. 74—79.

#### 556. *H. segestana* (*Carocolla*) Philippi.

T. umbilicata, depressa, acute carinata, plicata, superne planiuscula, albido et corneo variegata, seriatim fusco-maculata, sub carina interrupte unifasciata; anfr.  $4\frac{1}{2}$  plani, ultimus antice deflexus; apertura angulato-lunaris; perist. simplex, marginibus subapproximatis, columellari reflexo, albo-labiato. — Diam. maj. 20, min. 17, alt. 9 mill. (Coll. Nr. 322.)

- Carocolla segestana* Phil. Sicil. I. p. 136. t. 8. f. 6.  
*Helix segestana* Rossm. IV. p. 7. f. 233.  
 — — Phil. Sicil. II. p. 105.  
 — — Chemn. ed. II. Helix N. 612. t. 95. f. 14—16.  
*Iberus segestana* Beck ind. p. 28.

Habitat in Sicilia occidentali.

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#### 557. *H. cheiranthicola* Lowe.

T. umbilicata, pyramidata, subcarinata, solidiuscula, rugosostriata et undique granulato-scabra, sordide alba, fascia lata rufa ad suturam, obsoletioribusque in basi ornata; spira elevata, obtusa; sutura impressa; anfr. 8 convexi, tumidi, ultimus basi convexiusculus, antice deflexus; umbilicus infundibuliformis, non pervius; apertura perobliqua, subcircularis; perist. acutum, simplex, marginibus approximatis, callo junctis, basali breviter reflexo. — Diam. maj.  $9\frac{1}{2}$ , min.  $8\frac{3}{4}$ , alt. 7 mill. (Coll. Nr. 323.)

- Helix cheiranthicola* Lowe Faun. Mader. p. 57. t. 6. f. 17.  
 — — Chemn. ed. II. Helix N. 581. t. 91. f. 31. 32.

*Ochthephila cheiranthicola* Beck ind. p. 17.

*Obelus cheiranthicobus* Hartm. Gast. I. p. 168. t. 57. f. 4—6.

*Carocolla cheiranthicola* Villa disp. p. 19.

— *atomata* Mke? (Beck.)

Habitat in arbusculis Cheiranthi tenuifolii in Monte «Pico branco» insulae Portosancto.

### 558. *H. polymorpha* Lowe.

T. umbilicata, depresso-pyramidata, striata, granulis confertis magis minusve exasperata, superne fusco et albo marmorata, basi sordide alba, fusco-fasciata; anfr. 7—8 planulati, ultimus acute carinatus, antice subgibbus, subito deflexus, basi convexiusculus, interdum sublaevigatus; umbilicus infundibuliformis; apertura perobliqua, subcircularis; perist. simplex, marginibus approximatis, callo tenui junctis, basali reflexo. — Diam. maj. 12, min. 11, alt. 6 mill. (Coll. Nr. 324. Spec. max.) — Diam. maj. 9, min. 8, alt. 5 mill. (Spec. min.)

*Helix polymorpha* Lowe Faun. Mader. p. 54. t. 6. f. 11—16.

— — Lam. ed. Dh. 200. p. 124.

— — Chemn. ed. II. Helix N. 580. t. 91. f. 25—30.

— *elegantula* Jan Mont. p. 17\*)

— *pubinata* Mich. in coll.

*Ochthephila polymorpha* Beck ind. p. 17.

*Carocolla polymorpha* Villa disp. p. 19.

*Obelus polymorphus* Hartm. Gast. I. p. 169. t. 58.

Habitat in insulis Madera, Portosancto, Teneriffa.

Obs. 1. Variat praeter magnitudinem spira magis minusve elevata, carina obtusiore, interdum antice obsoleta, sutura magis minusve impressa, granulis fere obsoletis, etc.

Obs. 2. Cl. Cantraine (Mal. méd. p. 130.) Carocollam limbatam Phil. cum hac specie conjungere vult!!

### 559. *H. maderensis* Wood.

T. umbilicata, depressa, sublenticularis, solidiuscula, albido-cornea, superne costulato-striata, basi striatula, laevigata, rufo-unifasciata; spira vix elevata; anfr. 6 convexiusculi, ultimus carinatus, antice subgranulatus, subito deflexus; apertura perobliqua, subcircularis; perist. simplex, marginibus callo subcontinuo junctis, basali reflexiusculo. — Diam. maj. 6, min. 5½, alt. 3 mill. (Coll. Nr. 325.)

*Helix maderensis* Wood suppl. t. 8. f. 84.

— — Lowe Faun. Mader. p. 48. t. 5. f. 22. (auct.)

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\*) T. depressa, umbilicata, carinata, cornea, guttulis albidis eleganter aspersa (2" alt., 4" lat.); apertura subrotunda (2" in diam. transv.); perist. continuo, carinae sinuato, simplici. — Ins. Canar (Jan l. c.)



*Helix maderensis* Lam. ed. Dh. 204. p. 124.

— — Chemn. ed. II. *Helix* N. 583. t. 92. f. 9. 10.

— *cyclostoma* Mke syn. ed. II. p. 126.

— — Voigt in Cuv. Thierr. III. p. 60.

*Ochthephila maderensis* Beck ind. p. 18.

Habitat in insula Madera vulgatissima.

#### 560. *H. compar* Lowe. †

T. umbilicata, rotundato-depressa, utrinque planulata, subcarinata, solidiuscula, fusco-bifasciata, utrinque plicato-costata; spira convexiuscula; sutura distincta, impressa; anfr. 6 convexiusculi, plicis vel striis transversis, acutis, distinctis, crebris, aequidistantibus aequalibusque costati, interstitiis laevibus; ultimi carina obtusa; umbilicus latus, patulus, spiralis, profundus; apertura rotundato-ovalis; perist. continuum, circinatum, subdijunctum, crassiusculum, reflexum. — Axis  $1\frac{1}{2}$ , diam.  $3\frac{1}{4}$  lin. (L.)

*Helix compar* Lowe Faun. Mader. p. 48. t. 5. f. 23. (auct.)

*Leucochroa compar* Beck ind. p. 16.

Habitat rarissima in Maderae collibus maritimis.

#### 561. *H. leptosticta* Lowe. †

T. umbilicata, rotundato-depressa, subcarinata, nitidiuscula, tenuis, pallide cornea, obsolete fasciata; spira convexo-depressa; sutura distincta; anfr. 5 —  $5\frac{1}{2}$  convexi, substriati, minute et elegantissime reticulato-granulati, ultimi carina obtusa; umbilicus patulus, spiralis; apertura rotundato-ovalis; perist. continuum, simpliciusculum, subincrassatum, subreflexum. — Axis  $1\frac{1}{2}$ , diam. 3 lin. (L.)

*Helix leptosticta* Lowe Faun. Mader. p. 49. t. 5. f. 24. (auct.)

*Ochthephila leptosticta* Beck ind. p. 17.

Habitat in Maderae collibus maritimis.

### §. 45.

#### 562. *H. scabriuscula* Deshayes.

T. obtecte perforata, depressa, compresso-carinata, striato-rugosa, albida; anfr. 4 —  $4\frac{1}{2}$  exserti, supra planulati, fusco-maculati, ultimus basi turgidus, antice descendens; apertura angulata, lunato-securiformis; perist. tenue, marginibus approximatis, supero recto, basali sublabiato, angulatim reflexo, columellari dilatato, appresso. — Diam. maj. 24, min. 21, alt. 10 mill. (Coll. Nr. 326.)

*Helix scabriuscula* Desh. in Enc. méth. II. 130. p. 258.

— — Lam. ed. Dh. 225. p. 135.

— — Phil. Sicil. II. p. 105.

*Helix scabriuscula* Chemn. ed. II. Helix N. 611. t. 95. f. 11—13.

— *erycina* Jan Mantiss. p. 1. N. 62.

— — *Rossm.* IV. p. 7. f. 234—36.

*Carocolla erycina* Phil. Sicil. I. p. 135. t. 8. f. 4.

*Iberus scabriuscula* Beck ind. p. 27.

β. Minor, tenue striata, carina brevior, maculis rufis confluentibus:  
diam. maj. 48, min. 45½, alt. 9 mill. (Spec.)

*Carocolla selinuntina* Phil. Sicil. I. p. 136. t. 8. f. 11.

*Iberus selinuntina* Beck ind. p. 27.

*Helix selinuntina* Phil. Sicil. II. p. 405.

Habitat in Sicilia occidentali.

### 563. *H. Hedenborgi* Pfr.

T. subimperfata, depressissima, subdiscoidea, acute carinata, tenuiuscula, confertim rugoso-striata, superne albido et fusco variegata, basi subunicolor fuscescens; spira vix elevata; anfr. 5½ plani, non exserti, ultimus basi vix ventrosior, antice non descendens; apertura depressa, angulato-lunaris; perist. tenue, marginibus subparallelis, supero recto, basali breviter reflexo, columellari vix dilatato, reflexo, appresso. — Diam. maj. 48, min. 45½, alt. 6 mill. (Mus. Cuming.)

*Helix Hedenborgi* Pfr. in Proc. Zool. Soc. 1845. p. 132.

Habitat in Egypto (Dr. Hedenborg).

Obs. Similis videtur H. nummo Ehrenb. (Nr. 549.), sed illa umbilicata dicitur.

### 564. *H. cariosula* Michand.

T. subimperfata, subsemiglobosa, carinata, superne globoso-convexa, cariosa, subtus planiuscula, sordide alba, carina filiformi suturaque tuberculato-erosis; anfr. 5 planiusculi; apertura lunaris; perist. simplex, sublabiatum, angulatum, margine supero subdeflexo, basali subincrassato, columellari dilatato, reflexo, perforationem obtegente. — Diam. maj. 48, min. 46, alt. 40—42 mill. (Coll. Nr. 327.)

*Helix cariosula* Mich. Alg. p. 5. t. 1. f. 11. 12.

— — *Terv.* p. 24. t. 4. f. 7. 8.

— — *Rossm.* VI. f. 368. IX. p. 5. f. 564.

— — *Chemn.* ed. II. Helix N. 587. t. 92. f. 16. 17.

*Leucochroa cariosula* Beck ind. p. 17.

Habitat in Algeria.

### 565. *H. Münsteri* Pfr.

T. subimperfata, orbiculato-convexa, solida, striata, carinata, castanea, apice fulva; spira elevata, obtusa; sutura marginata; anfr. 6½ convexiusculi, ultimus antice non descendens, basi

vix convexus; apertura depressa, lunato-triangularis; perist. rectum, margine supero simplice, antrorsum arcuato, basali strictiusculo, calloso, incrassato, columellari brevissimo. — Diam. maj. 18, min. 17, alt.  $9\frac{1}{2}$  mill. (Coll. Nr. 328.)

*Helix Küsteri* Pfr. in Zeitschr. f. Mal. 1845. p. 453.

— — *Chemn.* ed. II. *Helix* N. 586. t. 92. f. 14. 15.

Habitat in insula Otaheite.

#### 566. *H. rotula* Lowe.

T. obtecte perforata, conoideo-depressa, striata et granulis oblongis obsita, nitidiuscula, fulva, luteo obsolete marmorata et fasciis nonnullis rufis angustis circumdata; spira depresso-conica; sutura linearis; anfr. 8 plani, ultimus acute carinatus, basi vix convexior, antice rotundatus, subgibbus, ochraceus, subito deflexus; apertura lunato-subcircularis, intus albo-callosa; perist. album, marginibus callo junctis, dextro arcuato, basali dilatato, reflexo, strictiusculo, perforationem tegente. — Diam. maj. 12, min. 11, alt.  $6\frac{1}{2}$  mill. (Coll. Nr. 329.)

*Helix rotula* Lowe Faun. Mader. p. 53. t. 6. f. 10.

— — *Chemn.* ed. II. *Helix* N. 70. t. 13. f. 11. 12.

*Ochthephila rotula* Beck ind. p. 17.

Habitat in montibus insulae Portosancto.

#### 567. *H. tumulorum* Webb et Berthelot.

T. subobtecte perforata, trochiformis, basi convexiuscula, acute carinata, distincte et confertim striata, alba, fasciis fuscis, interruptis ornata; spira conica, apice acutiuscula; anfr. 6—7 vix convexiusculi, ultimus antice non descendens; apertura late angulato-lunaris, intus fuscidula; perist. simplex, acutum, margine basali reflexiusculo, columellari dilatato, perforationem subtegente. — Diam. maj. 12, min. 11, alt. 7 mill. (Coll. Nr. 330.)

*Helix tumulorum* Webb et Berth. syn. p. 315.

— — *Orb. canar.* p. 63. t. 1. f. 29—31.

— — *Chemn.* ed. II. *Helix* N. 584. t. 91. f. 17. 18.

*Ochthephila tumulorum* Beck ind. p. 17.

Habitat in promontorio Isletae insulae Canariae inter sepulchreta aboriginum.

#### 568. *H. Bensoni* v. d. Busch.

T. perforata, superne tectiformis, subtus convexa, griseo-albida, acute crenulato-carinata: carina anfractuum superiorum prominente; anfr.  $6\frac{1}{2}$  plani, ultimus basi vix striatus; apertura

angulato-lunaris; perist. simplex, basi reflexiusculum. — Diam. maj. 12, min. 40 $\frac{1}{2}$ , alt. 7 mill. (Coll. v. d. Busch.)

*Helix Bensoni* v. d. Busch in *Phil. Icon.* 1. 4. p. 44. t. 4. f. 7.

— — *Pfr. Symb.* II. p. 23.

Habitat in Bengalìa.

Oba. Similis *H. detectae* Fér., sed perforata! An var. *H. serrulae* Bens. umbilico angustiore?

569. *Hel. cinctella* Draparnaud.

T. subperforata, subgloboso-depressa, lutescens, crystallina vel rubra, subtilissime striata, opace albo-carinata; anfr. 5 $\frac{1}{2}$ —6 planiusculi; apertura lunaris; perist. superne simplex, acutum, margine basali reflexiusculo. — Diam. maj. 12, min. 44, alt. 7 $\frac{1}{2}$ —8 mill. (Coll. Nr. 334.)

*Helix cinctella* Drap. p. 99. t. 6. f. 28.

— — *Lam.* 95. p. 94. ed. Dh. p. 74.

— — *C. Pfr.* III. p. 23. t. 6. f. 46.

— — *Rossm.* VI. p. 36. f. 363.

— — *Chemn.* ed. II. *Helix* N. 585. t. 94. f. 33. 34.

— *nemoralis*  $\beta$  *Gmel.* p. 3647.

*Hygromia cinctella* Risso IV. p. 67.

*Bradybaena cinctella* Beck ind. p. 48.

*Fruticicola cinctella* Held in *Isis* 1837. p. 944.

Habitat in Gallia meridionali, Italia, Sicilia, provincia Austriae littoralis, prope Tergestum, Fiume!

570. *Hel. arridens* Lowe.

T. perforata, depressa, carinata, tenuis, pallide cornea, rugoso-striatula, hispida; spira vix elevata; anfr. 5 planulati, ultimus basi convexior, antice breviter deflexus; apertura perobliqua, depressa, irregulariter lunaris; perist. acutum, margine dextro simplice, brevi, arcuato, basali strictiusculo, breviter reflexo, perforationem semioccultante. — Diam. maj. 6, min. 5 $\frac{1}{2}$ , alt. 3 mill. (Coll. Nr. 332. Spec. Loweana.)

*Helix arridens* Lowe Faun. Mader. p. 43. t. 5. f. 9. (auct.)

Habitat in insula Madera.

§. 46.

571. *Hel. virgo* (Carcolla) Bredertp.

T. imperforata, superne depressa, subtus inflata, acute carinata, subtiliter striata, nitida, diaphana, albida; anfr. 3 $\frac{1}{2}$ —4 planiusculi; columella oblique descendens, basi gibbula; apertura securiformis; perist. simplex, rufum, margine supero recto, basali

vix reflexiusculo. — R. a. = 5 : 44. — Diam. maj. 35, min. 29, alt. 20 mill. (Coll. Nr. 333.)

*Carocolla virgo* Brod. in Proc. Zool. Soc. 1841. p. 44.

— — Reeve Conch. syst. II. t. 168. f. 43.

*Helix virgo* Chemn. ed. II. Helix N. 403. t. 68. f. 4. 2.

Habitat in insula Zebu Philippinarum (Cuming).

#### 572. *H. papyracea* (*Carocolla*) Broderip.

T. imperforata, depressa, tenuissima, striis longitudinalibus et concentricis subtilissime decussata, pellucida, pallide straminea; spira depressa, planiuscula; anfr.  $3\frac{1}{2}$  subplanulati, ultimus basi inflatus, acute carinatus; columella brevis, declivis, strictiuscula; apertura subtrapezia; perist. tenue, simplex, margine supero recto, basali brevissime reflexo, cum columellari dilatato, albo, calloso angulum formante. — Diam. maj. 28, min. 23, alt. 44 mill. (Coll. Nr. 334.)

*Carocolla papyracea* Brod. in Proc. Zool. Soc. 1841. p. 36.

*Helix papyracea* Pfr. Symb. III. p. 70.

— — Chemn. ed. II. Helix N. 302. t. 52. f. 41. 12.

— *acutangula* Burr. elem. t. 26. f. 17 (Spec. juv.)

Habitat in insula Mindoro Philippinarum (Cuming).

Obs. Similis *H. reginae* (Nr. 782.), differt columella stricta, perist. superne non expanso, etc.

#### 573. *H. Dryope* (*Carocolla*) Broderip.

T. imperforata, orbiculato-convexa, tenuis, subtilissime decussata, nitidula, flavescens-viridis, acute carinata; spira subelevata, apice nigricans; anfr.  $4\frac{1}{2}$  subplanulati, ultimus basi planiusculus, antice breviter deflexus; apertura subhorizontalis, angulato-elliptica, ad carinam subcanaliculata; perist. simplex, tenue, margine supero recto, basali breviter reflexo, columellari dilatato, appresso, albo vel nigro. — Diam. maj. 27, min. 23, alt. 43 mill. (Mus. Cuming. et Gruner.)

*Carocolla Dryope* Brod. in Proc. Zool. Soc. 1841. p. 37.

— — Reeve Conch. syst. II. t. 168. f. 40.

*Helix Dryope* Chemn. ed. II. Helix N. 312. t. 54. f. 3. 4.

β. Planior, luteo-virens, anfractu ultimo maculis albis obscure guttatis basi flavescens; labii limbo ex albido flavescens.

γ. Fascia lata nigro-rufa supra carinam cincta. (Mus. Cum.)

δ. Minor: diam. maj. 18, min. 15, alt. 9 mill.

*Helix prasina* Koch in Phil. Icon. I. 7. p. 151. t. 5. f. 1.

— *Dryope* var. Chemn. l. c. t. 54. f. 5. 6.

Habitat in insula Luzon, β in ins. Bureas (Cuming).

574. *H. Webbiana* Lowe.

*T. imperforata*, subdiscoidea, subtus convexa, acute carinata, tenuis, diaphana, corneo-virescens, minutissime granulata; spira brevis, conoidea, obtusa; anfr. 3 rapide crescentes, vix convexiusculi; apertura ampla, perobliqua, ovalis, intus nitidissima; perist. simplex, acutum, margine columellari arcuato, dilatato, basali breviter reflexo. — Diam. maj. 49, min. 45, alt. 10 mill. (Coll. Nr. 335.)

*Helix Webbiana* Lowe Faun. Mader. p. 44. t. 5. f. 10.

— — Lam. ed. Dh. 204. p. 125.

— — Chemn. ed. II. *Helix* N. 300. t. 52. f. 5. 6.

— . . . Fér. hist. t. 28 A. f. 7. 8.

*Geotrochus Webbiana* Beck ind. p. 47.

Habitat in insula Portosancto.

575. *H. detecta* Férussac.

*T. imperforata*, lenticularis, carinata, fusca, costulato-striata; anfr. 5½ convexi; carina late prominens, in omnibus anfractibus suturae appressa; basis convexa; apertura securiformis; perist. superne simplex, margine basali vix incrassato. — Diam. maj. 44, min. 42, alt. 6 mill. (Coll. Nr. 336.)

*Helix detecta* Fér. in Mus. Paris.!

— — Pfr. Symb. II. p. 27.

— — Phil. Icon. I. 3. p. 50. t. 3. f. 7.

— — Chemn. ed. II. *Helix* N. 588. t. 92. f. 20. 21.

*Caracolla detecta* Beck ind. p. 32?

Habitat in insula Bourbon.

576. *H. pyxis* Hinds. †

*T. imperforata*, elata, diaphana, solidula; anfr. 4 rotundati, ultimus medio carinatus; apertura compresso-lunaris; peritrema acutum, reflexum. (H.) — Diam. maj. 9, alt. 7½ mill. (ex ic.)

*Helix pyxis* Hinds Voy. Sulph. Moll. III. p. 55. t. 49. f. 10.

Habitat . . . ?

577. *H. climacterica* Benson. †

*T. imperforata*, subtus tumida; spira subconoidea, gradata; anfr. 8, omnes angulati, supra planati, argute plicati; apex obtusus; peripheria angulata; perist. acutum, non reflexum. — Diam. 0,75 poll. (B.)

*Helix climacterica* Bens. in Journ. As. Soc. V. p. 352.

Habitat in Bengalía.

Obs. « Similis *H. barbata* ».

## §. 47.

578. *H. turbo* Pfr.

*T. imperforata*, turbinata, solidiuscula, distincte striata, sub epidermide tenuissima, decidua, flavescente alba, medio rufo-fasciata; spira conoidea, obtusa; anfr. 5 planiusculi, ultimus obsolete angulatus, basi vix convexus; columella subverticalis, stricta, dilatata, albida; apertura irregulariter lunaris; perist. expansum, margine columellari dilatato, reflexo, rimam formante, cum basali angulatum juncto. — Diam. maj. 43, min. 35, alt. 35 mill. (Mus. Cuming. et Coll. Nr. 337.)

*Helix turbo* Pfr. in Proc. Zool. Soc. 1845. p. 64.

— — Chemn. ed. II. Helix N. 276. t. 48. f. 1. 2.

Habitat in insulis Philippinis.

579. *H. Seckendorffiana* Pfr.

*T. imperforata*, turbinata, solida, glabriuscula, nitida, castaneo-fulva; spira elevata, apice obtuso coerulea; anfr. 5 convexi, ultimus ventrosus, antice non descendens, basi castaneo-nigricans; columella obliqua, lata, alba, basi subdentata; apertura rotundato-subtetragona, intus albida; perist. subexpansum, fusco-limbato, margine basali breviter reflexo, cum columella angulum formante. — Diam. maj. 34, min. 29, alt. 32 mill. (Coll. com. de Seckendorff.)

*Helix Seckendorffiana* Pfr. in Zeitschr. f. Mal. 1847. p. 12.

— — Chemn. ed. II. Helix N. 303. t. 52. f. 7. 8.

Habitat in insulis Philippinis?

Obs. Differt a praecedente anfractibus convexis, ultimo rotundato, columellae formatione, etc.

580. *H. cinerascens* Pfr.

*T. imperforata*, globoso-turbinata, tenuiuscula, straminea, fasciis 2 latis areaeque basali nigricantibus ornata, epidermide tenui, hydrophana, cinerea induta; spira breviter turbinata, apice obtusa; anfr. 5½ convexiusculi, ultimus basi inflatus; columella subarcuata, carneo-fusca; apertura rotundato-lunaris, intus alba; perist. breviter expansum, subincrassatum, castaneo-limbato. — Diam. maj. 44, min. 35, alt. 37 mill. (Mus. Cuming.)

*Helix cinerascens* Pfr. in Proc. Zool. Soc. 1845. p. 64.

Habitat in insula Masbate Philippinarum (Cuming).

Obs. Varietatibus nonnullis Bul. Ticaonici persimilis, forma aperturæ distincta.

581. *H. mirabilis* Férussac.

*T. imperforata*, subglobosa, solida, laevissima, nitida, (sub epidermide olivaceo-lutescente vel brunnea) candida, fasciis rubro-

fuscis vel fulvis et nigricantibus cincta; spira obtusa; anfr. 6 — 5 convexiusculi, ultimus plerumque trifasciatus; sutura marginata; columella emarginata, intrans; apertura ampla, lunato-ovalis, basi effusa; perist. album, margine dextro late reflexo, basali subincrassato, appresso. — Diam. maj. 39, min. 30, alt. 29 mill. (Coll. Nr. 338.)

*Helix mirabilis* (Helicostyla) Fér. pr. 320. Hist. t. 31. f. 4 — 6.

— — Sow. in Proc. Zool. Soc. 1844. p. 2.

— — Chemn. ed. II. Helix N. 278. t. 48. f. 5. 7. 9. 10.

— *formosa* Wood suppl. t. 7. f. 10.

— *galactites* Lam. 46. p. 69. ed. Dh. p. 36.

*Helicostyla galactites* Beck ind. p. 37.

♀. Epidermide tenuissima, cinerea obducta.

γ. Alba, unicolor, vel nigro et fulvo-fasciata, absque epidermide nitida.

*Helix decipiens* Reeve Conch. syst. II. t. 163. f. 3.

— *mirabilis* var. Chemn. l. c. t. 48. f. 6.

δ. Testa superne in conum producta, colore varia.

*Helix mirabilis* var. Chemn. l. c. t. 48. f. 8.

Habitat in insulis Philippinis: Luzon et Marinduque (Cuming).

Obs. *H. mirabilis* var. Fér. t. 404. f. 6. 7. ex aperturae characteribus ad *H. metaformem* referenda videtur.

### 582. *H. fulgens* Sowerby.

T. imperforata, globoso-conica, crassiuscula, laevis, superne albida, basi fusco-fulva, fasciis aliquot nigris cincta; spira elata, obtusiuscula; anfr. 4½ convexiusculi; apertura lunato-subcircularis, intus alba; columella dilatata, albo-callosa; perist. breviter reflexum. — Diam. maj. 34, min. 34, alt. 32 mill. (Coll. Nr. 339.)

*Helix fulgens* Sow. in Proc. Zool. Soc. 1844. p. 3.

— — Pfr. Symb. II. p. 28.

— — Chemn. ed. II. Helix N. 277. t. 48. f. 3. 4.

Habitat in insula Mindoro Philippinarum (Cuming).

Obs. Variat spira magis minusve in conum producta. Differt ab *H. mirabili* apertura basi non effusa, multo magis obliqua, perist. non expanso.

### 583. *H. polychroa* Sowerby.

T. imperforata, ovato-conoidea, tenuis, laevigata, nitida, apice obtuso albida vel fulvida; anfr. 5 convexi, 2 ultimi virides, strigis obliquis saturatioribus et cingulo lato albo ad suturam ornati; columella verticalis, subrecta, dilatata; apertura irregulariter lunato-rotundata, intus nivea; perist. simplex, album, breviter reflexum. — Diam. maj. 34, min. 28, alt. 35 mill. (Coll. Nr. 340.)

*Helix polychroa* Sow. in Proc. Zool. Soc. 1840. p. 87.

— — Grat. in Act. Bord. XI. p. 414. t. 4. f. 20.



*Helix polychroa* Chemn. ed. II. Helix N. 287. t. 50. f. 13 — 15.

— *galactites* var. *picturata* Grat. l. c. p. 463.

*Bulimus virido-striatus* Lea Philad. transact. 1844. p. 455. t. 11. f. 2.

— *polychrous* Pfr. Symb. II. p. 49.

*Helicostyla smaragdus* Beck ind. p. 37?

β. Fasciis variis rufis et macula basali nigricante ornata.

γ. Testa viridi, fascia suturali rosea.

δ. Testa castanea vel fulvida.

Habitat in insula Temple Philippinarum (Cuming).

#### 584. *H. florida* Sowerby.

T. imperforata, obovata, crassiuscula, laevis, viridis vel olivacea, saepe fasciis nigris vel fuscis ornata, apice obtuso pallida; sutura distincta, anguste albo-marginata; anfr.  $5\frac{1}{2}$  planiusculi; columella alba, dilatata, arcuata; apertura perobliqua, lunato-ovalis, intus lactea; perist. reflexum. — R. a. = 7 : 10. — Diam. maj. 32, min. 30, alt. 29 mill. (Coll. Nr. 344.)

*Helix florida* Sow. in Proc. Zool. Soc. 1840. p. 87.

— — Reeve Conch. syst. II. t. 163. f. 2.

— — Chemn. ed. II. Helix N. 286. t. 50. f. 1. 2.

β. Elongata, bulimiformis: diam. maj. 32, min. 27, alt. 33 mill. (Spec.)

*Bulimus floridus* Pfr. Symb. II. p. 45.

Habitat in insula Mindoro Philippinarum (Cuming).

#### 585. *H. hydrophana* Sowerby.

T. imperforata, obovata, tenuiuscula, lutescens, fasciis rufis ornata, nitida, epidermide tenuissima, subpellucida, hydrophana induta; spira apice obtusissima; anfr.  $4\frac{1}{2}$  convexiusculi; columella subrecta, lata, nivea, in tuberculum obsoletum producta, nigro-areolata; apertura lunato-rotundata, intus nitidissime alba; perist. subincrassatum, parum expansum, candidum. — Diam. maj. 28, min. 25, alt. 24 mill. (Coll. Nr. 342.)

*Helix hydrophana* Sow. in Proc. Zool. Soc. 1840. p. 88.

— — Chemn. ed. II. Helix N. 280. t. 49. f. 8. 9.

*Bulimus hydrophanus* Pfr. Symb. II. p. 46.

Habitat in insula Mindoro Philippinarum (Cuming).

Obs. In sequentem transire videtur.

#### 586. *H. metaformis* Férussac.

T. imperforata, oblongo-ovata, solida, laevis, lutea, apice rubescens, basi plerumque nigro-areolata; anfr.  $5\frac{1}{2}$  convexi, ultimus spira brevior; columella crassa, dilatata, basi tuberculato-truncata; apertura obliqua, lunato-ovalis, intus lactea; perist. in-

crassatum, album, breviter reflexum. — Diam. maj. 33, min. 29, alt. 37 mill. (Coll. Nr. 343.)

*Helix metaformis* (Cochlostyla) Fér. pr. 322. Hist. t. 108. f. 2.

— — Sow. in Proc. Zool. Soc. 1844. p. 47.

— — Deless. recueil t. 39. f. 3.

— — Chemn. ed. II. Helix N. 279. t. 49. f. 1—5.

— *ovularis* Mke catal. Malsb. p. 4. \*)

— *mirabilis* var. *elong.* Fér. t. 404. f. 6. 7.

*Bulimus metaformis* Gray in Ann. of Phil. XXV.

— — Val. in Humb. voy. Zool. II. p. 244.

*Cochlostyla metaformis* Pfr. Symb. I. p. 42.

*Orthostylus metaformis* Beck ind. p. 49.

Habitat in insula Luzon (Cuming).

Obs. 1. Variat unicolor vel nigricanti-fasciata, epidermide hydrophana strigata vel nuda, spira magis minusve elongata, anfractu ultimo interdum tumido. — Nonne nomen Menkeanum anteponendum?

Obs. 2. Hic conferantur Bulimi species in §. 1 enumeratae.

## §. 48.

### 587. *H. curta* Sowerby.

T. imperforata, ovato-conica, crassiuscula, substriata, lutea, epidermide pallida, hydrophana strigata et marmorata, apice rubella, nitida; spira elevata, conica, obtusiuscula; anfr. 6 planulati, ultimus antice paululum descendens, basi brunnescens, epidermide grisea radiatus; columella obliqua, alba, introrsum valde dilatata, dentato-truncata; apertura coarctata, irregulariter semi-ovalis; perist. crassiusculum, album, nitidum, breviter reflexum. — Diam. maj. 26, min. 23, alt. 25 mill. (Mus. Cuming.)

*Helix curta* Sow. in Proc. Zool. Soc. 1844. p. 20.

— — Pfr. Symb. III. p. 70.

*Achatina? curta* Pfr. Symb. II. p. 133.

Habitat in insula Luzon (Cuming).

### 588. *H. iloocensis* Sowerby.

T. imperforata, ovato-globosa, crassiuscula, laevis, coloribus diversissimis ornata; spira conoidea, obtusa; anfr. 5 convexiusculi; columella subrecta, lata; apertura lunato-ovalis, intus lactea; perist. album, simplex, late expansum, margine dextro extus medio impresso. — R. a. = 5 : 8. — Diam. maj. 29, min. 24, alt.

\*) T. ovato-conoidea, obtusissima, imperforata, luteo-fuscescente; apertura alba; columella subunidentata; labro reflexo. — Alt. 46, diam. 42 lin. (Mke l. c.)

25 mill. (Coll. Nr. 344. Spec. max.) — Diam. 24, alt. 20 mill. (Spec. min.)

*Helix Iloconensis* Sow. in Proc. Zool. Soc. 1840. p. 146.

— — *Pfr.* Symb. II. p. 30.

— — *Reeve* Conch. syst. II. t. 466. f. 27.

— — *Deless.* recueil t. 38. f. 6.

— — *Chemn.* ed. II. *Helix* N. 294. t. 54. f. 4—4.

Habitat in provincia Iloconensi insulae Luzon (Cuming).

Obs. Variat magnitudine et colore flavo, coerulescente, olivaceo, brunneo, fasciis fulvis, sanguineis, albis etc. Plerumque testa maculis saturationibus subtiliter conspersa. — Conf. Sow. l. c., ubi 18 varietates enumerantur

#### 589. *H. orbitula* Sowerby.

T. imperforata, ovato-globosa, crassiuscula, laevis, alba, basi fusco-lutescens, fasciis rufis et viridibus varie ornata; anfr.  $4\frac{1}{2}$ —5 convexiusculi; sutura distincta, crenulata, alba; columella lata, alba, subarcuata; apertura lunato-rotundata, intus alba; perist. simplex, late expansum. — R. a. = 5 : 7. — Diam. maj. 26, min. 23, alt. 24 mill. (Coll. Nr. 345.)

*Helix orbitula* Sow. in Proc. Zool. Soc. 1840. p. 103.

— — *Pfr.* Symb. II. p. 35.

— — *Chemn.* ed. II. *Helix* N. 288. t. 50. f. 7. 8.

— *chlorogrammicu* Val. in Mus. Paris.

Habitat in insula Mindoro Philippinarum (Cuming).

Obs. Variat spira magis minusve elevata, fasciis viridibus solitariis vel anfractum ultimum fere omnino tegentibus.

#### 590. *H. Montfortiana* Pfr.

T. imperforata, turbinata, crassa, ponderosa, nigricanti-rufa. epidermide fusco-cinerea, hydrophana induta; spira conoidea. apice violaceo-purpurascens, nuda, nitida, obtusa; anfr.  $4\frac{1}{2}$  vix convexiusculi, ultimus angulatus: angulo antice evanescente; columella declivis, callosa, alba, basi subdentata; apertura subtrigona, intus nitide alba; perist. breviter reflexum, nigro-fusco-limbatum. — Diam. maj. 34, min. 27, alt. 22 mill. (Mus. Cuming)

*Helix Montfortiana* Pfr. in Proc. Zool. Soc. 1846. p. 38.

Habitat in insulis Philippinis.

Obs. Characteribus intermedia inter *H. Bruguiereana* Pfr. et *carbonaria* Sow.

#### 591. *H. Bruguiereana* Pfr.

T. imperforata, turbinato-globosa, solida, nigro-castanea, epidermide hydrophana, fusca, strigata, sursum pallescente obducta; spira conoidea, apice obtusa, purpurea, nitida; anfr. 5 convexiusculi, ultimus basi vix convexus, denudatus; columella

intrans, obliqua, strictiuscula, planata, alba; apertura lunato-ovalis, intus lactea; perist. simplex, brevissime reflexiusculum, intus nigro-marginatum. — Diam. maj. 29, min. 24, alt. 24 mill. (Coll. Nr. 346.)

*Helix Bruguiereana* Pfr. in Proc. Zool. Soc. 1845. p. 44.

— — Chemn. ed. II. Helix N. 292. t. 44. f. 3. 4.

Habitat in insulis Philippinis.

**592. *H. viridis* Deshayes.**

T. imperforata, turbinato-globosa, tenuis, laevigata, sub epidermide viridi alba, fasciis variis nigricanti-rufis ornata; spira conoidea, apice obtusiuscula; anfr.  $5\frac{1}{2}$  convexiusculi; columella obliqua, strictiuscula; apertura lunato-ovalis; perist. breviter incrassatum, subreflexum, margine columellari dilatato. — Diam. maj. 26, min.  $23\frac{1}{2}$ , alt. 22 mill. (Coll. Nr. 347.)

*Helix viridis* Desh. in Lam. ed. Dh. 159. p. 102.

— — Griff. anim. kingd. t. 36. f. 2.

— — Chemn. ed. II. Helix N. 289. t. 50. f. 11. 12.

*Orthostylus viridis* Beck ind. p. 49.

β. Unicolor viridis, strigis longitudinalibus nigricantibus et fascia unica angusta, rufa ad suturam ornata.

*Helix viridis* var. Chemn. l. c. t. 50. f. 9. 10.

γ. Saturate castanea, fasciis 2 angustis virescenti-fulvis.

Habitat in insula Madagascar (Goudot).

Obs. Conf. *H. trochus* Müll. Nr. 82.

**593. *H. Jonasi* Pfr.**

T. imperforata, globoso-conoidea, solidiuscula, laevigata, non nitens, pallide virescens; spira obtuse conica; anfr. 5 convexiusculi, ultimus basi subplanatus; columella alba, obliqua; apertura lunaris; perist. breviter incrassatum, margine columellari subdilatato, appresso. — Diam. maj. 28, min. 25, alt. 24 mill. (Mus. Cuming. et Gruner.)

*Helix Jonasi* Pfr. in Proc. Zool. Soc. 1845. p. 126.

— — Chemn. ed. II. Helix N. 290. t. 50. f. 3. 4.

Habitat in insula Mindoro Philippinarum.

**594. *H. dimera* Jonas.**

T. imperforata, subgloboso-conica, apice obtusa, tenuiuscula, subdiaphana, nitida, epidermide viridi-flava, opaca; anfr. 5 convexi, oblique striati, ultimus caeteros aequans, primi purpurascetes, penultimus albus, ultimus coloribus bipartitus: dimidio supremo albo, altero fusco-nigro; sutura distincta, utrinque fusco-marginata; apertura semilunaris, intus alba; perist. anguste

reflexum, fusco-nigrum; columella oblique descendens, albidula dilatata. — Altit. aequae ac lat. 4 poll. (Jon.) — Coll. Nr. 348.

*Helix dimera* Jonas Mollusk. Beitr. p. 23. t. 11. f. 17.

— — Chemn. ed. II. Helix N. 291. t. 50. f. 5. 6.

— *Jonasi* β Pfr. in Proc. Zool. Soc. 1845. p. 126.

Habitat in insulis Philippinis.

Obs. Praecedentis var. esse videtur. Formae observantur intermediae

#### 595. *H. Buschi* Pfr.

T. imperforata, conico-globosa, solidiuscula, tenuiter striata. parum nitida, citrina; spira conoidea, apice obtusiuscula; anfr.  $5\frac{1}{2}$  convexiusculi, ultimus rotundatus; columella subobliqua. stricta, dilatata, albo-callosa; apertura rotundato-lunaris, intus nitida, concolor; perist. tenue, album, breviter expansum, margine basali cum columellari angulum formante. — Diam. maj. 23. min. 20, alt. 23 mill. (Coll. Nr. 349.)

*Helix Buschi* Pfr. in Proc. Zool. Soc. 1845. p. 126.

— — Chemn. ed. II. Helix N. 293. t. 44. f. 7. 8.

Habitat in insula Mindoro Philippinarum.

#### 596. *H. monticula* Sowerby.

T. imperforata, semiovata, tenuis, oblique striata, flava absque nitore, rufo-fasciata, basi aeruginea; apex obtusus; anfr. 4 $\frac{1}{2}$ ; — 5 planulati; sutura linearis; columella tenuis, excavata, arcuata, alba; apertura lunato-ovalis; perist. simplex, reflexiusculum, margine dextro antice subconstricto, antrorsum arcuato. — R. a. = 4 : 5. — Diam. maj. 24, min. 20, alt. 20 mill. (Coll. Nr. 350.)

*Helix monticula* Sow. in Proc. Zool. Soc. 1840. p. 167.

— — Pfr. Symb. II. p. 34.

— — Deless. recueil t. 38. f. 3.

— — Chemn. ed. II. Helix N. 297. t. 51. f. 13—17.

β. Testa alba, fascia peripherica fusco-viridi.

γ. Testa albidula vel lutescente, fasciis articulatis brunneis ornata.

Habitat in insula Luzon (Cuming).

#### 597. *H. balteata* Sowerby.

T. imperforata, elongato-globosa, solida, nitida, pallide sulphurea, zonis viridibus et griseo-violaceis elegantissime notata. apice obtuso plerumque rosea; anfr. 5 convexiusculi; columella lata, perobliqua, superne obsolete tuberculata; apertura lunaris; perist. subincrassatum, vix expansum, extus viride, intus viola-

ceum. — R. a. = 7:43. — Diam. maj. 25½, min. 22, alt. 24 mill. (Coll. Nr. 354.)

*Helix balteata* Sow. in Proc. Zool. Soc. 1840. p. 136

— — Pfr. Symb. II. p. 23.

— — Reeve Conch. syst. II. t. 466. f. 25.

— — Chemn. ed. II. Helix N. 296. t. 54. f. 9—12.

Habitat in insula Luzon (Cuming).

Obs. Conferantur 8 varietates a Cl. Sowerby l. c. enumeratae.

#### 598. *H. annulata* Sowerby.

T. imperforata, ovato-globosa, crassiuscula, alba vel citrina, fasciis purpureis, albis et violaceo-brunneis variè ornata; anfr. 5 vix convexiusculi, ultimus interdum subangulatus; columella lata, crassa, rosea; apertura rotundato-lunata, intus alba; perist. incrassatum, vix expansum, extus rufescens. — R. a. = 2:3. — Diam. maj. 25, min. 24, alt. 22 mill. (Coll. Nr. 352.)

*Helix annulata* Sow. in Proc. Zool. Soc. 1840. p. 135.

— — Pfr. Symb. II. p. 22.

— — Chemn. ed. II. Helix N. 295. t. 54. f. 5—8.

Habitat in provincia Iloconensi insulae Luzon (Cuming).

#### 599. *H. fenestrata* Sowerby.

T. imperforata, globoso-turbinata, solida, crassa, nitide castanea, epidermide hydrophana, fuscula, pallide fasciata induta, macularum epidermide destitutarum unica serie infra suturam fenestrata; spira turbinata, obtusa; anfr. 5½ convexi, ultimus basi nudus; columella declivis, dilatata, alba; apertura perobliqua, lunato-ovalis; perist. intus incrassatum, album, nitidum, breviter reflexum. — Diam. maj. 24, min. 24, alt. 24 mill. (Mus. Cuming. et Coll. Nr. 353. Spec. jun.)

*Helix fenestrata* Sow. in Proc. Zool. Soc. 1840. p. 137.

— — Reeve Conch. syst. II. t. 466. f. 24.

— — Deless. recueil t. 38. f. 2.

— — Chemn. ed. II. Helix N. 677. t. 408. f. 9—11.

Habitat in provincia Cagayan insulae Luzon (Cuming).

#### 600. *H. parraiana* Orbigny.

T. imperforata, globoso-conica, crassa, spiraliter sulcata, fulvo-rubra, zona albida et fusca cincta; spira elevata, conica; anfr. 6½ convexiusculi, ultimus subangulatus, antice gibbus, ad aperturam constrictus; apertura parva, obtuse triangularis; perist. incrassatum, breviter reflexum, margine dextro sinuoso, colu-

mellari strictiusculo, medio introrsum calloso. — Diam. maj. 24, min. 20, alt. 17 mill. (Mus. Cuming.)

*Helix Parraiana* Orb. moll. cub. I. p. 446. t. 7. f. 7—9. \*)

♂. Spira magis elata: diam. 19, alt. 24 mill. (O.)

Habitat in insula Cuba.

#### 601. *H. dimidiata* Jan. †

T. imperforata, globosa, striata, nitida; anfr. superiores citrini, infimus niveus; apertura lunata, subobliqua; columella gilva; perist. marginatum, subreflexum, album. — Diam. 4'', alt. 4'' 3'''. Apert. diam. long. 5, transv. 6'''. (Jan.)

*Helix dimidiata* Jan. Mantissa p. 1. N. 28.

Habitat in America meridionali.

Obs. Conf. *H. platychela* Mke (Nr. 736.), sicana Fér. (Nr. 737.) et candidissima Dr. (Nr. 738.)

#### §. 49.

#### 602. *H. ignobilis* Sowerby.

T. imperforata, conoideo-globosa, tenuis, striis concentricis minutissimis sculpta, albida, castaneo-bifasciata; spira conoidea, apice obtusiuscula; anfr. 4½ planulati, ultimus obtuse angulatus; columella obliqua, dilatata, alba; apertura lunato-subcircularis; perist. late expansum, margine incrassatum. — R. a. = 5 : 7. — Diam. maj. 29, min. 25, alt. 24 mill. (Coll. Nr. 354.)

*Helix ignobilis* Sow. in Proc. Zool. Soc. 1840. p. 102.

— — *Pfr.* Symb. II. p. 30.

— — *Chemn.* ed. II. *Helix* N. 283. t. 49. f. 11.

Habitat in insulis Philippinis Romblon, Tablas (Cuming).

#### 603. *H. tenera* Sowerby.

T. imperforata, globoso-conica, tenuis, laevis, alba, fasciis nigricantibus et viridibus ornata, subhyalina; spira depresso-conoidea; anfr. 4½ convexiusculi; columella subrecta, tenuis, subexcavata; apertura lunato-rotundata; perist. simplex, parum expansum. — R. a. = 2 : 3. — Diam. maj. 25, min. 24½, alt. 20 mill. (Coll. Nr. 355.)

*Helix tenera* Sow. in Proc. Zool. Soc. 1840. p. 102.

— — *Pfr.* Symb. II. p. 40.

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\*) T. imperforata, conico-elevata, crassa, transversaliter sulcata, fulvo-rubra, zona albida fusca cincta; spira elevata, conica; anfr. 7 minime convexi subcarinatis; apertura minima, sinuata; labro margine crasso, undato. — Diam. 24, alt. 22 mill. (Orb. l. c.) — D. m. 21, min. 19, alt. 20 mill. (ex ic.)

*Helix tenera* Chemn. ed. II. Helix N. 284. t. 49. f. 12. 13.

Habitat in insulis Philippinis Mindoro, Tablas (Cuming).

Obs. Differt a praecedente spira brevior. anfractibus convexioribus et peristomate. — Variat spira depressiore.

**604. *H. trigonostoma* Pfr.**

T. imperforata, trochiformis, tenuis, oblique striatula, lineis nonnullis concentricis impressis notata, alba, fasciis superne linearibus, basi latioribus, fusco-violaceis ornata; spira late conica; anfr.  $4\frac{1}{2}$  planiusculi, ultimus spiram superans, obsolete angulatus; columella brevis, callosa; apertura subtriangularis; perist. simplex, margine supero parum expanso, columellari appresso, reflexo. — Diam. maj. 27, min. 22, alt. 18 mill. (Mus. Cuming.)

*Helix trigonostoma* Pfr. in Phil. Icon. I. 7. p. 154. t. 4. f. 8.

— — Pfr. in Proc. Zool. Soc. 1845. p. 41.

— — Chemn. ed. II. Helix N. 282. t. 49. f. 10.

Habitat prope Vera Cruz in prov. Honduras Americae centralis.

Obs. Differt a praecedente spira minus elevata, anfractibus planis, columella brevi et aperturae forma.

**605. *H. Dumonti* Pfr.**

T. imperforata, coniformis, apice obtusiuscula, albida; aufr. 5 lati, convexiusculi, ultimus basi subplanulatus, ad peripheriam linea nigricante cinctus; columella intrans, obliqua, dilatata; apertura perobliqua, lunato-ovalis; perist. simplex, breviter expansum, margine supero antrorsum arcuato, basali subreflexo. — Diam. maj. 26, min. 24, alt. 24 mill. (Mus. Cuming.)

*Helix Dumonti* Pfr. in Phil. Icon. II. 11. p. 84. Helix t. 7. f. 6.

— — Chemn. ed. II. Helix N. 285. t. 49. f. 14. 15.

$\beta$ ? Minor, apice acutiuscula, anfr. 6, ultimo rubro-bicingulato. — Diam. maj. 22, min. 19, alt. 23 mill. (ex ic.)

*Helix coniformis* Quoy et Gaim. Astrol. II. p. 105. t. 8. f. 15—17.  
Nec Fér.

Habitat in insula Mindoro Philippinarum (Cum.); var.  $\beta$ ? prope portum Carteret Novae Hiberniae (Quoy).

**606. *H. coniformis* Férussac.**

T. imperforata, orbiculato-conoidea, laevigata, albido-fuscescens, fasciis fuscis saepe articulatis ornata; sutura profunda; anfr. 5 convexi, ultimus basi planiusculus, antice descendens; apertura perobliqua, magna, ovalis; perist. album, tenue, late expansum, marginibus conniventibus, basali reflexo, columellari dilatato, appresso. — Diam. maj. 24, min. 18, alt. 18 mill. (Mus. Cuming.)

*Helix coniformis* (Helicostyla) Fér. pr. 321. Hist. t. 108. f. 1.

— — Wood suppl. t. 7. f. 20.



*Helix coniformis* Lam. ed. Dh. 160. p. 103.

— *turbinata* Desh. in Encycl. méth. II. p. 265. N. 150.

— *Tuffetii* Lesson voy. de la Coq. p. 313. t. 10. f. 3.

*Geotrochus Tuffetii* Beck ind. p. 47.

*Lister* t. 16. f. 11?

♂. Major, albida, rufo-bifasciata: diam. maj. 25, min. 20, alt. 22 mill  
(Mus. Cuming)

Habitat in Nova Hibernia ad portum Pralin.

#### 607. *H. conspersula* Pfr.

T. imperforata, turbinata, striatula, opaca, tenuiuscula, straminea vel cinnamomea, punctis albis confertissime conspersa: spira conoidea, apice obtusiuscula, nigricans; sutura mediocris, castaneo-marginata; anfr. 6 convexiusculi, ultimus subangulatus. basi planiusculus; columella obliqua, subarcuata, subexcavata. alba, castaneo-marginata; apertura ampla, lunato-ovalis; perist. simplex, breviter expansum. — Diam. maj. 23½, min. 20, alt. 15 mill. (Spec. max. Mus. Cuming.)

*Helix conspersula* Pfr. in Proc. Zool. Soc. 1845. p. 124.

— — *Phil.* Icon. II. 11. p. 84. t. 7. f. 4.

Habitat . . . ?

#### 608. *H. Boivini* Petit.

T. imperforata, subtrochiformis, oblique minutissime striata. nitida, albida, fasciis nigro-fuscis varie cincta; spira conica, acutiuscula; anfr. 5 convexiusculi, ultimus antice descendens, basi subplanatus, dilute rufus; apertura perobliqua, lunato-ovalis; columella perobliqua, lata, stricta, alba, supra depresso-planulata; perist. subincrassatum, brevissime reflexum, album, aurantiaco-marginatum. — Diam. maj. 23, min. 19, alt. 18 mill. (Mus. Cuming.)

*Helix Boivini* Petit in Revue zool. 1841. p. 184.

Habitat in insulis Salomonis.

#### 609. *H. nemoraloides* Adams.

T. imperforata, depresso-turbinata, striatula, laevigata, nitida, albida vel pallide straminea, fasciis 3, linea suturali et area columellari castaneis ornata; anfr. 5 vix convexiusculi, ultimus antice vix descendens; columella intrans, perobliqua, superne dilatata, complanata; apertura oblique lunaris; perist. simplex. acutum, breviter expansum. — Diam. maj. 20, min. 17, alt. 14 mill. (Mus. Cuming. et Coll. Nr. 356.)

*Helix nemoraloides* Adams in Bost. Proc. 1845. p. 15.

— — *Pfr.* in Zeitschr. f. Mal. 1845. p. 155.

— — *Chemn.* ed. II. *Helix* N. 679. t. 108. f. 5. 6

Habitat in insula Jamaica.

§. 50.

610. *H. opalina* Sowerby.

T. imperforata, pyramidalis, apice obtusa, tenuis, hyalina, virescenti-albida, laevis, nitida; sutura linearis, albo-marginata; anfr. 6 plani, ultimus obtuse carinatus; columella tenuis, arcuata, subdentata, sulco obsoleto circumdata; apertura perobliqua, lunato-subcircularis; perist. simplex, vix expansum. — Diam. maj. 24, min. 19, alt. 25 mill. (Coll. Nr. 357.)

*Helix opalina* Sow. in Proc. Zool. Soc. 1840. p. 98.

— — Pfr. Symb. II. p. 35.

— — Chemn. ed. II. *Helix* N. 284. t. 49. f. 6. 7.

Habitat in provincia Cagayan insulae Luzon (Cuming).

611. *H. Ferussaci* Lesson. †

T. imperforata, trochiformis, saturate castanea, fascia aurea usque ad apicem ornata, basi plana, acute carinata; spira conica; anfr. 6 plani; sutura levissima; apertura depressa, triangularis; perist. marginatum, reflexum, sinuosum. — Diam. 14 lin., alt. 4 poll. (L.)

*Helix Ferussaci* Less. voy. de la Coq. Zool. II. p. 315. t. 8. f. 5.

*Geotrochus Ferussaci* Beck ind. p. 47.

— — *Succinea* Malac. p. 332.

*Carocolla pileus* Mke syn. ed. II. p. 23?

Habitat in Nova Guinea.

Obs. An modo var. acutius carinata *H. pilei*? Sed imperforata dicitur.

612. *H. Gaberti* Lesson.

T. imperforata, conoidea, lineis obliquis minutissime subdecussata, pallide flavescens, strigis undatis et flammis fuscis picta; sutura impressa; anfr. 6 planiusculi, ultimus basi angulatus; columella obliqua, dilatata, superne incrassata; apertura subhorizontalis, lunato-elliptica; perist. late expansum, album, marginibus approximatis. — Diam. maj. 26, min. 20, alt. 22 mill. (Mus. Cuming.)

*Helix Gaberti* Less. voy. de la Coq. II. p. 314.

— *trochus Quoy et Gaim.* Astrol. II. p. 100. t. 8. f. 5—7.

— *trochoides* Lam. ed. Dh. 197. p. 122.

— . . . . *Fér.* hist. t. 106. f. 10—12.

Habitat in Nova Guinea (Quoy), Nova Hibernia.

613. *H. rhombostoma* Pfr.

T. imperforata, trochiformis, tenuiuscula, oblique striatula, lineis confertissimis concentricis subdecussata, nitidula, albido-

fulvescens, fasciis castaneis plurimis ornata; spira brevis, conica. apice acuta; anfr. 5 planiusculi, ultimus acute carinatus, basi vix convexus, antice parum deflexus, a latere subcompressus; apertura rhombea; perist. violaceum, margine supero expanso, superne impresso, columellari stricto, dilatato, plano, appresso. — Diam. maj. 28, min. 23, alt. 15 mill. (Coll. Saul. et Metcalfe.)

*Helix rhombostoma* Pfr. in Proc. Zool. Soc. 1845. p. 72.

Habitat . . . ?

#### 614. *H. lonchostoma* (Carocolla) Menke.

T. imperforata, orbiculato-conica, acute carinata; sutura linearis; anfr. 6 plani, ad carinam scrobiculato-crenati, ultimus nigricanti-trifasciatus, basi convexusculus, antice subito deflexus: apertura oblique lanceolata; perist. simplex, acutum, margine supero subexpanso, basali breviter reflexo. — Diam. maj. 22. min. 18, alt. 15 mill. (Coll. Nr. 358.)

*Carocolla lonchostoma* Mke syn. p. 76. ed. 2. p. 127.

*Helix lonchostoma* Voigt in Cuv. Thierr. III. p. 71.

— — Chemn. ed. II. Helix N. 66. t. 13. f. 5. 6.

Habitat in Brasilia.

Obs. Differt a sequente forma depressa, carinae sculptura et anfractu ultimo deflexo. — Umbilicus juniorum in adultis lamina tenui omnino clausus est

#### 615. *H. bifasciata* (Trochus) Burrow.

T. imperforata, acute conica, trochiformis, tenuis, diaphana. albida vel rosea, unicolor vel nigricanti-rufo varie cingulata; anfr. 7 plani, ultimus acute carinatus, supra carinam convexusculus. antice non descendens, basi vix convexus; apertura perobliqua triangularis; perist. simplex, album vel roseum, margine supero expanso, basali reflexo. — Diam. maj. 20, min. 17, alt. 17 mill. (Coll. Nr. 359.)

*Trochus bifasciatus* Burr. elem. t. 27. f. 2.

*Helix bifasciata* (Helicigona) Fér. pr. 143.

— — Chemn. ed. II. Helix N. 65. t. 13. f. 1. 2.

— *pyramidella* Wagn. in Spix p. 22.

— — Lam. ed. Dh. 223. p. 134.

— *Bosciana* (Helicigona) Fér. pr. 144. Hist. t. 64. f. 1.

— — Lam. ed. Dh. 187. p. 118.

— *Blanchetiana* Moric. Mém. Gen. VI. p. 2. t. 1. f. 3. VII. p. 418

*Carocolla bifasciata* Gray in Ann. of Phil. New ser. IX. p. 412.

*Helicina pyramidella* Spix test. bras. t. 16. f. 1. 2.

*Geotrochus pyramidella* Beck ind. p. 47.

Habitat in Brasilia, Bahia.

616. *H. vitracea* Férussac. †

T. obtecte perforata, globulosa, tenuis, vitracea, carinata; anfr.  $4\frac{1}{2}$ , convexiusculi; apertura lunato-elliptica; perist. simplex, reflexiusculum. — Diam. maj. 49, min. 46, alt. 44 mill. (ex ic.)

*Helix vitracea* (Helicigona) Fér. pr. 146. Hist. t. 64. f. 5.

— — Chemn. ed. II. Helix N. 460. t. 76. f. 20. 21.

*Geotrochus vitracea* Beck ind. p. 48.

Habitat in Nova Hollandia? (Beck.)

Obs. *H. carbonaria* Sow. characteribus plurimis ad hanc sectionem pertinet, sed ab affinibus eam separare non volui. (Conf. Nr. 774.)

## §. 51.

617. *H. granulata* Quoy et Gaimard.

T. obtecte perforata, globosa, tenuiter granulata, subaurea vel rufescens, fascia fusca cincta; spira brevis; anfr.  $5\frac{1}{2}$ , planiusculi, ultimus magnus, inflatus; apertura ampla, lunato-elliptica; perist. parum reflexum, album, margine columellari emarginato, valde dilatato, perforationem omnino tegente. — Diam. maj. 50, min. 44, alt. 33 mill. (Mus. Cuming.)

*Helix granulata* Quoy et Gaim. Astrol. II. p. 95. t. 7. f. 6—9.

— — Lam. ed. Dh. 164. p. 106.

— — Fér. hist. t. 28 A. f. 9. 10.

Habitat ad portum Dorey Novae Guineae.

618. *H. Lessoni* Pfr.

T. obtecte perforata, globulosa, minute striatula, solidula, castanea, basi pallida; spira turbinata, obtusa; anfr. 6 vix convexiusculi, ultimus inflatus, antice deflexus; apertura lunato-rotundata, intus lilacea; perist. undique expansum, album, margine columellari superne perdilatato, calloso, albo, umbilicum prorsus claudente. — Diam. maj. 35, min. 29, alt. 25 mill. (Spec. Mus. Brit.)

*Helix Lessoni* Pfr. Symb. III. p. 71.

— Rangü Less. voy. de la Coq. p. 305? \*) Nec Fér.

Habitat in Australia (Mus. Brit.), in Nova Guinea? (Less.)

619. *H. Inocerum* Linn.

T. subobtecte perforata, globosa, substriata, lineis minutissimis subdecussata, castaneo late fasciata et remote strigata;

\*) T. suborbiculari, globulosa, ventrosa, imperforata, convexa, minutissime et interrupte striata, viridi-castanea; anfractu ultimo inflato; apertura rotundata; perist. convexo, reflexo, margine sinistro dilatato. — Diam. 48, alt. 43—44 lin — Affinis melanotrigo. (Less. l. c.)

anfr. 5 convexiusculi, ultimus inflatus, antice breviter descendens; apertura lunato-rotundata, intus nitida; perist. obtusatum, simplex, fuscum, marginibus callo tenuissimo junctis, columellari breviter arcuato, dilatato, reflexo, perforationem fere tegente. basali strictiusculo, subcalloso. — Diam. maj. 50, min. 42, alt. 35 mill. (Coll. Nr. 360.)

*Helix lucorum* Linn. syst. ed. X. p. 773. ed. XII. p. 1247.

— — Müll. verm. II. p. 46. N. 245.

— — (Helicogena) Fér. pr. 30. Hist. t. 2 J. A. f. 4—7.

— — Wood ind. t. 34. f. 125.

— — Rossm. V. p. 3. f. 294.

— — Chemn. ed. II. Helix N. 17. p. XIV et 41. t. 5. f. 1. 2

— *castanea* Oliv. voy. I. p. 224. t. 17. f. 1.

— *mutata* Lam. 7. p. 67. ed. Dh. p. 30.

*Pomatia lucorum* et *mutata* Beck ind. p. 43.

Habitat in Italia, Turcia, Syria.

Obs. Specimina constantinopolitana lineis impressis, confertis, concentricis notata sunt.

#### 620. *H. taurica* Krynicki.

T. obtecte perforata, globosa, ventrosa, oblique striata, lineis impressis, concentricis obsolete decussata, lutescenti-albida, strigis fusco-nigris irregulariter radiata; spira conoidea; anfr. 5 convexiusculi, medii subfasciati, ultimus magnus; apertura ampla, rotundato-lunata; perist. subpatulum, hepaticum, subsimplex. margine columellari per dilatato, fornicatim reflexo. — Diam. maj. 52, min. 44, alt. 44 mill. — Saepe minor. (Coll. Nr. 361.)

*Helix taurica* Kryn. in Bull. Mosc. VI. p. 423. t. 9.

— — Rossm. VII. p. 43. f. 456.

— — Chemn. ed. II. Helix N. 14. p. XII. et 39. t. 4. f. 9. 10

— *lucorum* var. Kryn. Bull. Mosc. IX. p. 454.

— *radiosa* Zgl. Mus.

*Pomatia radiosa* Beck ind. p. 43.

Habitat in Tauria, Georgia.

#### 621. *H. pomatia* Linn.

T. semiobtecte perforata, globosa, rugoso-striata, lineis confertis, concentricis magis minusve decussata, rufescens vel flavescens, fasciis fuscis obsoletis notata; anfr. 5 convexiusculi, ultimus magnus, subcompressus; columella arcuata; apertura ampla lunato-ovalis, intus nitida; perist. patulum, subincrassatum, margine columellari dilatato, reflexo, carneo vel fusciscente. — Diam. maj. 47, min. 39, alt. 39 mill. (Coll. Nr. 362. Spec. typ.)

*Helix pomatia* Linn. syst. p. 1244. ed. Gmel. 47. p. 3627.

— — Chemn. IX. 1138 a.

*Helix pomatia* *Drap.* p. 87. t. 5. f. 20.

— — (*Helicogena*) *Fér.* pr. 34. *Hist.* t. 24. f. 3—5. t. 24. f. 2.

— — *Lam.* 8. p. 67. ed. Dh. p. 34.

— — *Sturm Fauna* VI. H. 1. T. 13. 14.

— — *C. Pfr.* I. p. 25. t. 2. f. 9.

— — *Rossm.* I. p. 54. f. 1. 2. 79.

— — *Gray Man.* p. 435. t. 4. f. 34.

— — *Sow. Conch. Man.* f. 268.

— — *Chemn.* ed. II. *Helix* N. 19. p. XIV et 43. t. 5. f. 5. 6.

*Pomatia antiquorum* *Leach* moll. p. 89.

— *pomatia* *Beck* ind. p. 43.

*Coenatoria pomatia* *Held* in *Isis* 1837. p. 910.

*Helicogena pomatia* *Hartm.* *Gast.* I. p. 98. t. 29. 30. 55.

A. *Normalis*:

*a. rustica*: testa magis depressa, tenui, apertura ovali. (*Htm.*)

*β. Gesneri*: t. magis globosa vel conoidea, erassiore, pallidiore, fasciis saturatis, apertura magis rotundata.

*Helicogena pomatia* var. *Hartm.* l. c. t. 29. f. 2.

*Helix pomatia* *Fér.* t. 21. f. 1. 2.

*γ. sphaeralis* } vid. *Hartm.* l. c. p. 103.  
*δ. inflata* }

B. *Monstrosa*:

*ε. sinistrorsa*:

*Helix pomaria* *Müll.* verm. II. p. 45. N. 244.

*Born Mus.* p. 376. t. 14. f. 21. 22.

*Chemn.* IX. P. 1. p. 77. t. 108. f. 908—10.

*C. Pfr.* III. t. 2. f. 2. 3.

*Fér. hist.* t. 21. f. 7. 8.

*Chemn.* ed. II. *Helix* t. 6. f. 1—3.

*ζ. scalaris*:

*Helix scalaris* *Müll.* verm. II. p. 113. N. 313.

*Chemn.* IX. 1139.

*Drap.* t. 5. f. 21. 22.

*C. Pfr.* III. t. 2. f. 1. 8. 9.

*Fér. hist.* t. 21. f. 9.

*Chemn.* ed. II. *Helix* t. 5. f. 7. 8.

Habitat in Germania, Gallia, Helvetia et omni Europa boreali.

Obs. Specimina hungarica vidi duplo majora.

622. *El. Gussoneana* *Shuttleworth.*

T. subobtectae perforata, conico-globosa, solida, distincte minutissime reticulata, fulvescenti-albida, fasciis 5 mediocribus, castaneis ornata; spira elevata, conoidea; anfr. 5 convexi, ultimus vix descendens; columella arcuata; apertura rotundato-lunaris, intus nitida; perist. subsimplex, margine dextro vix expansius-

culo, columellari dilatato, reflexo, albo vel carneo. — Diam. maj. 34, min. 29, alt. 30 mill. (Coll. Nr. 363.)

*Helix Gussoneana* Shuttl. in sched. Cuming.

— — Pfr. Symb. III. p. 74.

— *ligata* β Fér. hist. t. 24 B. f. 5?

Habitat circa Neapolim.

#### 623. *H. grisea* Linn.

T. obtecte perforata, subglobosa, solidiuscula, striis incrementi rugosis, lineisque impressis confertissimis subdecussata. fusco-grisea, fascia latissima castanea vel sordide fusca supra peripheriam et 2 pallidioribus ad basin cincta; spira brevis, conica; anfr. 5, ultimus magnus, ventrosus; apertura ovato-lunaris; perist. simplex, intus rufum, margine columellari obliquo, dilatato, subincrassato. — Diam. maj. 37, min. 33, alt. 30 mill. (Coll. Nr. 364.)

*Helix grisea* Linn. syst. ed. X. p. 773. ed. XII. 693. (Gualt. t. 1. f. B')

— — Chemn. ed. II. Helix p. XI. N. 42. t. 4. f. 4. 2.

— *cincta* Müll. verm. II. p. 58. N. 254.

— — Fér. hist. t. 20. f. 7. 8. t. 24. f. 4. (c. anim.)

— — Lam. ed. Dh. 444. p. 84.

— — Mich. compl. p. 47. t. 44. f. 2.

— — C. Pfr. III. p. 32. t. 5. f. 2. 3.

— — Rossm. V. p. 2. f. 287. IX. p. 40. f. 583. 84.

— — Küster Helix p. 38.

— *lemniscata* Brumati p. 22.

*Pomatia cincta* Beck ind. p. 43.

*Coenatoria cincta* Held in Isis 1837. p. 940.

β. Albida, fasciis angustis rufis, perist. fusco vel albido.

*Helix obtusata* Zgl. Rossm. V. f. 288.

— *Philibinensis* Friv. Rossm. IX. f. 584.

γ. Alba, fusco-variegata, fasciis distinctis, peristomatis margine columellari minus dilatato, fusco.

*Helix vulgaris* Parr. Rossm. IX. f. 582.

Habitat in Illyria (Monfalcone, Fiume!), Gallia meridionali, Italia. var. β in Macedonia.

Obs. An huc referenda *H. subsequa* Zgl.? (Vid. Beck p. 43.)

#### 624. *H. lutescens* Ziegler.

T. obtecte perforata, turbinato-globosa, striatula, albo-lutescens, raro dilute fusculo-fasciata; spira brevis, conoidea, apice obtusa; anfr. 4 convexiusculi, ultimus inflatus, descendens; columella subverticalis, leviter arcuata, alba; apertura lunato-rotundata, intus alba; perist. breviter expansum, leviter albo-

labiatum, margine columellari superne dilatato, fornicato-reflexo.  
— Diam. maj. 30, min. 26, alt. 25 mill. (Coll. Nr. 365.)

*Helix lutescens* Zgl. Rossm. V. p. 4. f. 292.

— — Chemn. ed. II. Helix N. 45. p. XIII et 40. t. 4. f. 3. 4.

— *cinerascens* Andr. teste Kryn. Bull. Mosc. IX. p. 453.

— . . . . *Fér.* hist. t. 40 B. f. 8. 9.

*Pomatia lutescens* Beck ind. p. 43.

*Coenatoria lutescens* Held in Isis 1837. p. 940.

Habitat in Galicia, Volhynia?

#### 625. *H. melanostoma* Draparnaud.

T. obtecte perforata, globosa, solida, ventrosa, cinereo-carnea, subfasciata, plicato-striata; anfr. 4 convexi, ultimus inflatus, antice deflexus; columella obliqua, strictiuscula; apertura ampla, lunato-rotundata, intus carnea, nitida; faux nigricans; perist. intus nigro-fuscum, rectum, subincrassatum, margine dextro rotundato, columellari dilatato, diffuso, basali subreflexo.  
— Diam. maj. 34, min. 27, alt. 25 mill. (Coll. Nr. 366.)

*Helix melanostoma* Drap. p. 94. t. 5. f. 25.

— — Lam. 24. p. 74. ed. Dh. p. 38.

— — (Helicogena) *Fér.* pr. 45. Hist. t. 20. f. 5. 6.  
t. 39 B. f. 4. (c. anim.)

— — Rossm. V. p. 2. f. 286. IX. p. 9. f. 576.

— — Chemn. ed. II. Helix N. 44. p. XI et 37. t. 4.  
f. 44. 42.

*Pomatia melanostoma* Beck ind. p. 43.

*Coenatoria melanostoma* Held in Isis 1837. p. 940.

β. Vittata:

*Helix melanostoma* var. Rossm. IX. f. 577. 78.

— — *Fér.* hist. t. 20. f. 9.

*Descript. de l'Egypte* Zool. II. t. 2. f. 3.

γ Candida:

*Helix rugosa* Anton Verz. p. 34. N. 4279.

— *melanostoma* var. Rossm. IX. f. 579.

Habitat in Europa meridionali et in Nubia (Ehrenb.)

Obs. Varietates observantur ad *H. griseam* transeuntes.

#### 626. *H. figulina* Parreyss.

T. subobtecte perforata, conico-globosa, ventricosa, rugulosa, sordide albida, fusculo-sub-5fasciata; anfr. 4 vix convexiusculi; apertura acute ovato-lunaris; perist. rectum, sublabiato-incrassatum, albidum, margine columellari arcuato, dilatato, subappresso-reflexo. — Diam. maj. 22, min. 18, alt. 20 mill. (Coll. Nr. 367.)

*Helix figulina* Parr. Rossm. IX. p. 9. f. 580.

— *ligata* δ *Fér.* hist. t. 20. f. 3.



*Pomatia orientalis* Beck ind. p. 43.

*Descript. de l'Egypte* t. 2. f. 2.

β. *H. nucula* Zgl. Mus.

Habitat in Dalmatia, Graecia, etc.

#### 627. *H. varians* Menke.

T. subperforata, conoideo-globosa, colore varia, nitidula. striis incrementi distinctis; anfr. 5 convexiusculi, ultimus inflatus. apertura lunato-rotundata, intus rosea; perist. simplex, intus purpureo-labiatum, margine dextro acuto, columellari arcuato, sulcato, subreflexo, perforationem subtegente. — Diam. maj. 49, min. 47, alt. 15 mill. (Coll. Nr. 368.)

*Helix varians* Mke catal. Malsb. p. 5.

— — *Chemn.* ed. II. *Helix* N. 680. t. 109. f. 4—5.

— *carnicolor* (Helicella) *Fér.* pr. 293 et Mus.!

— — *Pfr.* Symb. I. p. 37.

— *pisana* *Chemn.* IX. P. 2. p. 439. t. 132. f. 1186. 87. Nec Mull

— . . . *Fér.* hist. t. 29 A. f. 14—17?

*Polymita carnicolor* Beck ind. p. 45.

*Hemitrochus haemastomus* Swains. Malac. p. 165. f. 19?

β. Conoidea: *H. apicina* Mke cat. Malsb. p. 5.

Habitat in insula Portorico.

Obs. Color in speciminibus aliis albus, lineis multis concentricis, interruptis, fusco-aurantiis vel fasciis fusciculis latiusculis — in aliis fusco-flavescens. in Chemnitziano albus, cingulis 8 interruptis roseis.

#### 628. *H. torulus* Férussac.

T. subperforata, globulosa, alba, laevigata, zónula transversa fusca circumdata, basi inflata; anfr. 6 convexi, angusti; apertura parvula, rotundato-lunaris; perist. simplex, album, margine supero subexpanso, basali dilatato, reflexo, perforationem subtegente. — Diam. maj. 15, min. 13, alt. 11 mill. (Spec. Mus. Brit.)

*Helix torulus* (Helicogena) *Fér.* pr. 39. Hist. t. 27. f. 3. 4.

— — *Lam.* ed. Dh. 220. p. 133.

— — *Chemn.* ed. II. *Helix* N. 429. t. 72. f. 4. 5.

*Galaxias torulus* Beck ind. p. 42.

Habitat in Nova Hollandia.

#### 629. *H. gyrostoma* Férussac.

T. obtecte perforata, subglobosa, solidula, laevis, alba, fasciis 4—5 fulvicantibus obsolete cingulata; anfr. 5 convexiusculi, ultimus inflatus; apertura fere circularis; perist. album, subreflexum, marginibus approximatis, saepe callo tenui junctis. — Diam. maj. 16, min. 14½, alt. 13 mill. (Coll. Nr. 369.)

*Helix gyrostoma* (Helicogena) *Fér.* pr. 37. Hist. t. 32. f. 5. 6.

*Helix gyrostroma* Voigt in Cuv. Thierr. III. p. 50.

— — *Pfr.* Symb. I. p. 38.

— — *Chemn.* ed. II. *Helix* N. 430. t. 72. f. 6. 7.

Habitat in Africa boreali: Tripoli (Fér.).

### 630. *H. Troscheli* Pfr.

T. perforata, globoso-depressa, confertim costulato-striata, coloribus pervariabilis; spira subelevata, obtusa; anfr.  $4\frac{1}{2}$  — 5 convexiusculi, ultimus vix descendens; apertura obliqua, lunato-subcircularis; perist. acutum, intus callosum, expansum, marginibus subconniventibus, columellari dilatato, reflexo, perforationem semiocculante. — Diam. maj. 44 —  $44\frac{1}{2}$ , min. 42, alt. 9 —  $9\frac{1}{2}$  mill. (Coll. Nr. 370.)

*Helix Troscheli* Pfr. Symb. III. p. 76.

— — *Chemn.* ed. II. *Helix* N. 684. t. 109. f. 6 — 11.

— . . . . *Fér.* hist. t. 29 A. f. 18 — 21.

α. Pallide fulvida, castaneo-strigata vel fasciata, perist. roseo.

β. Albida, fasciis latis cinereis ornata, margine columellari peristomatis purpurascente.

γ. Castanea, linea 4 peripherica pallida, perist. roseo.

δ. Alba, fasciis nonnullis castaneis ornata, fauce rosea.

ε. Pallide flava, albo-subfasciata, spira elatiore: diam. maj. 43, min. 41, alt. 10 mill. (Mus. Cuming.)

Habitat in India occidentali: Cuba (Lindon), Bermuda.

### 631. *H. gallopavonis* Valenciennes.

T. subperforata, subglobosa, tenuis, rugulosa, albida, fasciis latis fuscis circumdata et fusco-marmorata; spira conica; anfr.  $4\frac{1}{2}$  convexiusculi; apertura lunato-rotundata, intus roseo-labiata; columella latiuscula, expansa, rosea; perist. simplex, subreflexum. — Diam. maj.  $44\frac{1}{2}$ , min. 42, alt.  $9\frac{1}{2}$  mill. (Coll. Nr. 374.)

*Helix gallopavonis* Val. in Mus. Paris.

— — *Pfr.* Symb. II. p. 28.

— — *Chemn.* ed. II. *Helix* N. 682. t. 109. f. 42. 43.

Habitat in insula St. Croix (Mus. Paris.) et in «Turk's Island» prope S. Domingo (Gruner).

### 632. *H. silicosta* Pfr.

T. subobtectae perforata, depresso-globosa, regulariter costata (costis filiformibus), tenuiuscula, carneo-albida, lineis fuscis obsoletis cincta; anfr.  $4\frac{1}{2}$  convexi, ultimus antice deflexus; apertura lunato-circularis; perist. acutum, intus incrassatum, labiatum, marginibus conniventibus, callo introrsum diffuso roseo junctis,

dextro vix expanso, columellari dilatato, reflexo, roseo. — Diam. maj. 44, min. 43, alt. 9 mill. (Coll. Saul.)

*Helix flicosta* Pfr. in Proc. Zool. Soc. 1845. p. 73.

Habitat . . . ?

§. 52.

633. *H. undulata* Férussac.

T. imperforata, globosa, solidiuscula, striata, lutescens, lineis fimbriatis confertis inaequalibus fuscis cincta; anfr.  $4\frac{1}{2}$  — 5 convexiusculi, supremi albi, minutissime granulati, ultimus permagnus; apertura rotundato-lunaris, intus margaritacea; perist. candidum, breviter reflexum, margine columellari dilatato, appresso. — Diam. maj. 47, min. 38, alt. 35 mill. (Coll. Nr. 372.)

*Helix undulata* (Helicogena) Fér. pr. 25. Hist. t. 16. f. 3. 4.

— — Chemn. ed. II. Helix N. 18. t. 5. f. 3. 4.

— *lineolata* Lam. 6. p. 67. ed. Dh. p. 30.

— — Küster Helix p. 42.

*Eurycratera lineolata* Beck ind. p. 45.

β. Major: diam. maj. 53, min. 46, alt. 45 mill. (Mus. Cuming.)

*Helix undulata* var. Fér. t. 16. f. 5. 6.

γ. *Helix litigiosa* Fér. Mus.?

Habitat in insula Haiti.

634. *H. ligata* Müller.

T. imperforata, turbinato-globosa, striata, lineis spiralibus interdum obsolete decussata, fusco-albida, fasciis 5 angustis, subaequalibus, interdum confluentibus, spadiceis ornata; spira elevata, subturbinata; anfr. 4 convexiusculi, ultimus inflatus, vix descendens; columella obliqua, strictiuscula, carnea; apertura lunato-rotundata; perist. breviter expansum, margine columellari dilatato, diffuso-callosa. — Diam. maj. 43, min. 35, alt. 36 mill. (Coll. Nr. 373.)

*Helix ligata* Müll. verm. II. p. 58. N. 252.\*)

— — Chemn. IX. P. 2. p. 110. f. 128. f. 1137!

— — Fér. hist. t. 20. f. 1. 2. 4? t. 21 B. f. 2?

— — Lam. ed. Dh. 134. p. 90.

— — Kryn. Bull. Mosc. IX. p. 154.

— — Rossm. V. p. 3. f. 289.

— — Chemn. ed. II. Helix N. 43. p. XII. t. 4. f. 7. 8.

\*) T. imperforata, subglobosa, alba, fasciis rufis; labro albo. — Gualt. t. 1 f. E. — Diam. 44 lin. — T. striata, luteo-alba, fasciis 5 rufis aequalibus ac fere aequae inter se distantibus; intus alba, fasciis pelluculentibus. Apertura subovata; labrum subreflexum, candidum, in centro depressum, dilatatum. Anfr. 4 (Müll. l. c.)

*Helix cincta* Küster *Helix* p. 38.

*Pomatia ligata* Beck ind. p. 43.

*Coenatoria ligata* Held in *Isis* 1837. p. 910.

3. Minor, peristomate albido vel fuscule:

*Helix ligata* var. *Rossm.* V. f. 290.

7. Albida, fasciis mediis obsoletis, interruptis, castaneis:

*Helix albescens* Jan. *Rossm.* IX. p. 40. f. 585. 86.

Habitat prope Fiume (1), in Italia et Sicilia; in Rossia prope Odessa, in Tauria et Caucaso (Kryn.).

Obs. Cl. Rossmässl. var. 7 veram *H. ligatam* Molleri esse censet, figura autem Chemnitziana omnino cum speciminibus descriptis, prope Fiume lectis, convenit.

### 635. *H. aspersa* MÜLLER.

T. imperforata, conoideo-globosa, ruguloso-malleata, tenuis, griseo-lutescens, fasciis variis castaneis, flammulisque flavidis ornata; spira brevis, conoidea; anfr. 4 — 4½ convexiusculi, ultimus ventrosus, antice subito deflexus; columella obliqua, leviter arcuata, alba; apertura lunato-ovalis; perist. acutum, expansum, breviter reflexum, marginibus conniventibus, columellari dilatato. — Diam. maj. 44, min. 32, alt. 32 mill. (Coll. Nr. 374. Spec. Fiumens.)

*Helix aspersa* Müll. verm. II. p. 59. N. 253.

— — *Chemn.* IX. f. 1156. 57. et 1138 b.

— — *Lam.* 9. p. 68. ed. Dh. p. 32.

— — (*Helicogena*) *Fér.* pr. 54. Hist. t. 18. 24. f. 3. (c. anim.)

— — *Rossm.* I. p. 55. f. 3. V. p. 5. f. 294.

— — *Gray* Man. p. 128. t. 5. f. 35.

— — *Morelet* moll. du Port. p. 67.

— — *Chemn.* ed. II. *Helix* N. 9. p. XI. et 34. t. 3. f. 6. 7.

— *grisea* *Gmel.* 111. p. 3649. Nec Linn.

— — *Brumati* p. 24.

— *variegata* *Gmel.* 190. p. 3650.

— *hortensis* *Penn.* Brit. Zool. IV. 136. t. 84. f. 126.

— — *Wood* t. 34. f. 126.

— *fuminensis* *Lany.* (teste Beck.)

— *lucorum* *Pult.* (teste Montagu.)

*Pomatia adpersa* Beck ind. p. 44.

*Coenatoria aspersa* Held in *Isis* 1837. p. 910.

*Knorr* Vergnüg. IV. p. 43. t. 27. f. 3.

3. Minor nigricans, fulvo anguste fasciata et flammulata: diam. maj. 28, min. 23, alt. 22 mill. (Spec. azor.)

7. Flavescens:

*Helix secunda* Costa. (Villa cat.)

δ. Monstrosa = scalaris vel anfractibus omnino solutis

*Born Mus.* t. 13. f. 10. 11.

*Chemn.* XI. t. 244. f. 2092. 93.

*Fér. hist.* t. 19. f. 3—9.

ε. Sinistrorsa. plerumque minor

*Fér. hist.* t. 19. f. 4. 2.

Habitat in tota Europa meridionali, nec non in Gallia, Britannia, Algeria, insulis Azoris, Brasilia etc.

### 636. *H. Mazzullii* Jan.

T. imperforata, globoso-conica, tenuis, costulato-rugosa pallide fuscescens; spira conica, acutiuscula; anfr. 4 convexiusculi, rapide accrescentes, ultimus magnus, inflatus; apertura ampla, fere circularis; perist. simplex, marginibus callo tenui, nitido junctis, supero patulo, basali reflexo. — Diam. maj. 32. min. 26, alt. 26 mill. (Coll. Nr. 375.)

*Helix Mazzullii* Jan Mantissa p. 4.

— — *Phil. Sicil.* I. p. 426. t. 8. f. 8.

— — *Pot. et Mich. gal.* I. p. 94.

— — *Chemn. ed. II. Helix* N. 40. p. XI. t. 3. f. 8

— *aspersa* var. *Rossm.* V. p. 5. f. 295. 96.

— — — *Küst. Helix* p. 36.

— *crispata* *Costa* catal. p. 406 et 444. N. 23. Nec *Fér.*

— *ritirugis* *Cantr.* Malac. méd. p. 400.

— *rugosa* *Mühlf.* (teste Beck.)

*Pomatia Mazzullii* *Beck* ind. p. 44.

β. Fasciis 5 fusciscentibus ornata.

Habitat in Sicilia, in montibus circa Panormum.

### 637. *H. leytenensis* Pfr.

T. imperforata, globosa, tenuissima, fragilis, laeviuscula. pallide virens, fasciis interruptis, albis, opacis ornata; spira parvula, parum elata; anfract. 4 rapide accrescentes, planiusculi. ultimus permagnus, subangulatus; columella tenuis, subrecta: apertura ampla, rotundato-lunaris; perist. simplex, breviter expansum. — Diam. maj. 30, min. 24, alt. 24 mill. (*Mus. Cuming. et Gruner.*)

*Helix leytenensis* *Pfr.* Symb. III. p. 74.

— — *Chemn. ed. II. Helix* N. 257. t. 42. f. 7. 8.

— *fragilis* *Sow.* in *Proc. Zool. Soc.* 1844. p. 40. Nec *Pfr.*

Habitat in insula Leyte Philippinarum rarissima (*Cuming*).

\* \* \*

### 638. *H. grandis* Pfr.

T. imperforata, globoso-turbinata, solida, ponderosa, striata. nigricanti-rufa. epidermide griseo-fusciscente fasciatim obducta:

spira conica, apice pallida; anfr. 6 vix convexiusculi, ultimus spira brevior, basi inflatus, fortius striatus; columella verticalis, brevis, subtorta; apertura late lunaris, intus margaritacea; perist. nigricans, late expansum, margine basali incrassato, reflexo, cum columellari valde dilatato, albido angulum obtusum formante. — R. a. = 44 : 48. — Diam. maj. 68, min. 60, alt. 58 mill. (Mus. Cuming.)

*Helix grandis* Pfr. in Proc. Zool. Soc. 1845. p. 43.

Habitat prope Bangui prov. Iloconensis insulae Luzon (Cuming).

639. *H. Studeriana* Férussac.

T. imperforata, subglobosa, tenuis, saturate brunnea vel olivaceo-fusca, oblique striata et transversim minutissime rugulosa; spira semiglobosa; anfr. 6, summi planulati, eleganter granulati, ultimus inflatus, obsolete angulatus vel sulco impresso ad peripheriam notatus; apertura rotundato-lunaris, intus margaritacea; columella recte descendens, callosa; perist. reflexum, intus album. — Diam. maj. 62, min. 52, alt. 44 mill. (Coll. Nr. 376.)

*Helix Studeriana* (Helicostyla) Fér. pr. 316. Hist. t. 103. f. 6.

— — Pfr. Symb. I. p. 36.

— — Chemn. ed. II. Helix N. 251. t. 41. f. 1. 2.

*Stylodon Studeriana* Beck ind. p. 46.

Habitat in insulis Seychellis: Praslin. (Dufo p. 200.)

Obs. Huic proxime affines sunt *H. unidentata* Chemn. (Nr. 787.) et *ceoides* Lea (Nr. 786.).

640. *H. turbinoides* Broderip.

T. imperforata, conico-globosa, lineis incrementi oblique striata, viridis, fasciis albis, hydrophanis cingulata, apice saturate fulvo-rubens; spira obtuse conica; anfr. 5 tumidi, ultimus spiram subaequans; columella arcuata, purpureo-fusca; apertura lunato-subovalis, fere circularis, intus nitidissime lactea; perist. simplex, reflexum, brunneo-marginatum. — R. a. = 3 : 5. — Diam. maj. 70, min. 55, alt. 50 mill. (Coll. Nr. 377.)

*Helix turbinoides* Brod. in Proc. Zool. Soc. 1840. p. 23.

— — Pfr. Symb. II. p. 40.

— — Reeve Conch. syst. II. t. 166. f. 21. 22.

— — Chemn. ed. II. Helix N. 248. t. 39. f. 1. 2.

*Chromocochlea turbinoides* Hartm. Gast. I. p. 137. t. 41.

Habitat in insula Luzon (Cuming).

Obs. Species inter omnes fere elegantissima. Variat testa tota viridi et ochraceo-brunnea, taeniis nigris et viridibus ornata.

641. *H. sarcinosa* Férussac.

T. imperforata, ovato-globosa, sublaevigata, absque nitore, coloribus varia; spira late conoidea, apice obtusa; anfr. 5 convexiusculi, ultimus magnus, inflatus, interdum obsolete angulatus; columella rosea, subrecta, basi intorta, subtruncata; apertura lunato-subovalis, intus nitide lactea; perist. violacescenti-rubrum, expansum, reflexiusculum, marginibus callo tenui, nitido. introrsum diffuso, junctis. — R. a. = 5 : 9. — Dimens. variab. (Coll. Nr. 378.)

*Helix sarcinosa* (Cochlostyla) Fér. pr. 323. Hist. t. 109. f. 1 — 3.

— — Brod. in Proc. Zool. Soc. 1840. p. 124

— — Reeve Conch. syst. II. t. 163. f. 7.

*Orthostylus sarcinosus* Beck ind. p. 49.

*Bulinus surcinus* Pfr. Symb. II. p. 50.

α. Virescens, anfractu basali fascia superne subrubra inferne albido-tessellata cincto, columella subrosea, labii limbo roseo vix tincto. — Diam. maj. 68, min. 57, alt. 58 mill. (Spec.)

*Helix sarcinosa* Chemn. ed. II. Helix N. 247. t. 40. f. 1. 2.

β. Brunneo-virescens, anfractu basali fascia obscura subrubra taenia albida tessellatim interrupta inferne limbata cincto, labii limbo subroseo. — Long 3, lat.  $2\frac{1}{2}$  unc. (Brod.)

γ. Flavo-virens, strigis latis ochraceo-albis, longitudinaliter obliquis picta et fasciis brunneo-virescentibus cincta, labii limbo albo. — Long.  $2\frac{1}{2}$ , lat.  $2\frac{3}{8}$  unc. (Brod.)

δ. Viridi-brunnea, fasciis interruptis ochraceo-albis et nigro-brunneis alternis cincta, labii limbo pallide subroseo. — Diam. maj. 59, min. 53, alt. 54 mill. (Spec.)

*Helix sarcinosa* var. Chemn. l. c. t. 40. f. 3. 4.

ε. Brunneo-virescens, fasciis subnigricantibus cincta, albido-ochraceo interrupte tessellato-maculata, labii limbo pallide subroseo. — Long  $2\frac{7}{8}$ , lat.  $2\frac{5}{8}$  unc. (Brod.)

ζ. Ochraceo-alba, fasciis frequentibus castaneo-nigris cincta, labii limbo subrosaceo. — Dimens. uti var. ε. (Brod.)

η. Tota fusca: Fér. t. 109. f. 3.

Habitat in insulis Philippinis, α et β Masbate, γ et δ Guimaras, ε et ζ in insula Negros (Cuming).

O b s. Hoc loco conf. H. cretata Brod. (Nr. 675.)

642. *H. Harfordii* Broderip.

T. imperforata, globoso-subturbinata, substriata, fulva, epidermide liberea fusco tessellatim maculata induta, ad peripheriam pallide fasciata; spira subelata, apice obtusa, pallida, nitida; anfr.  $4\frac{1}{2}$  vix convexiusculi, ultimus obsolete angulatus; columella obliqua, medio incrassata, carneo-fusca; apertura lunato-ovalis, intus coerulescenti-albida; perist. subincrassatum, breviter reflexum,

carneo- vel fusco-marginatum. — R. a. = 5 : 8. — Diam. maj. 70, min. 58, alt. 48 mill. (Mus. Cuming. et Gruner.)

*Helix Harfordii* Brod. in Proc. Zool. Soc. 1840. p. 123.

— — Reeve Conch. syst. II. t. 165. f. 15.

— — Pfr. Symb. II. p. 30.

— — Chemn. ed. II. Helix N. 254. t. 42. f. 1. 2.

† Spira depressa, sursum albescens; anfr. ultimus superne subangulatus, fulvus, fascia lata centrali et maculis irregularibus albidis ornatus: diam. 65, alt. 45 mill. (Mus. Cuming.)

Habitat in insula Negros Philippinarum, var.  $\beta$  rarissima prope Tanhay (Cuming).

#### 643. *H. mindanaensis* Sowerby.

T. imperforata, globoso-conica, solida, oblique rugoso-striata, apice obtuso pallida, luteo-fusca, opaca, maculis variis rufis pelucidis ornata; spira conoidea; anfr.  $4\frac{1}{2}$  convexiusculi, ultimus medio obtuse angulatus, infra angulum fascia lata, hydrophana, albida signatus; columella livida, subrecte descendens, medio subintorta; apertura tetragono-ovalis, intus plumbea; perist. subincrassatum, parum reflexum; livido-fuscum, margine supero arcuatim dilatato. — R. a. = 43 : 22. — Diam. maj. 52, min. 43, alt. 42 mill. (Coll. Nr. 379.)

*Helix mindanaensis* Sow. in sched. Cuming.

— — Pfr. in Proc. Zool. Soc. 1842. p. 85.

— — Pfr. Symb. II. p. 33.

— — Chemn. ed. II. Helix N. 253. t. 41. f. 5. 6

— *Mindana* Reeve Conch. syst. II. t. 164. f. 8.

*Chromocochlea Mindorana* Hartm. Gast. I. p. 439. t. 42.

Habitat in insula Mindanao (Cuming).

Obs. Differt ab *H. Harfordii* et affnibus forma conica, maculis pallidis non hydrophanis, sed in ipsa testae substantia positis et margine dextro aperturæ sinuato.

#### 644. *H. Pan* Broderip.

T. imperforata, conoideo-globosa, oblique striata, epidermide hydrophana ubique obducta, albida vel fusca, zonis variis fulvis et nigricantibus ornata; spira elata; anfr. 5 planiusculi; columella subrecte descendens, albida, dilatata; apertura lunato-ovalis, intus lactea; perist. angustè reflexum, intus brunneum vel albidum. — R. a. = 43 : 22. — Diam. maj. 52, min. 42, alt. 44 mill. (Coll. Nr. 380.)

*Helix Pan* Brod. in Proc. Zool. Soc. 1841. p. 23.

— — Pfr. Symb. II. p. 36.

— — Reeve Conch. syst. II. t. 165. f. 19.



*Helix Pan Deless.* recueil t. 38. f. 9.

— — *Chemn.* ed. II. *Helix* N. 249. t. 39. f. 5—7.

Habitat in insula Bohol Philippinarum (Cuming).

Obs. Differt a praecedente epidermide, anfractu ultimo non angulato, colore et forma columellae et aperturae.

**645. *H. Caillaudi Deshayes.***

T. imperforata, depresso-globosa, solida, longitudinaliter ruguloso-striata, lineis concentricis impressis nonnullis notata. luteo-fulva, fasciis 2 nigro-castaneis, pluribusque angustis epidermidis albidae hydrophanae cincta; spira brevis, apice obtusa: anfr. 5, supremi planulati, reliqui convexi, ultimus magnus, basi subplanulatus, concentrice sulcatus, antice paululum descendens: columella obliqua, lata, alba, excavata; apertura ampla, perobliqua, lunato-obovalis, intus nitide alba; perist. late expansum. breviter reflexum, album. — Diam. maj. 58, min. 46, alt. 37 mill. (Mus. Cuming. et Gruner.)

*Helix Caillaudi Desh.* in Guérin mag. 1839. t. 5.

— — *Chemn.* ed. II. *Helix* N. 255. t. 42. f. 3. 4.

β. Unicolor, fuscidula:

*Helix ferruginea Lea* Philad. tr. 1844. p. 464. t. 42. f. 17.

γ. Minor, fusca, albo-zonata, apice alba: diam. maj. 44, min. 35, alt. 28 mill. (Mus. Cuming.)

Habitat in insula Luzon, var. γ in ins. Mindanao (Cuming).

**646. *H. chlorochroa Sowerby.***

T. imperforata, subglobosa, tenuiuscula, fulvida vel pallide brunnea, albo-marmorata et strigata, epidermide cinereo-fuscescente induta; spira semiglobosa; anfr.  $4\frac{1}{4}$  convexiusculi, ultimus ad peripheriam obsolete angulatus; columella oblique arcuata, denticulata; apertura rotundato-lunaris; perist. subincrassatum. expansum, fuscum. — R. a. = 44 : 20. — Diam. maj. 50, min. 42, alt. 34 mill. (Coll. Nr. 384.)

*Helix chlorochroa Sow.* in Proc. Zool. Soc. 1844. p. 2.

— — *Pfr.* Symb. II. p. 25.

— — *Chemn.* ed. II. *Helix* N. 264. t. 44. f. 1. 2.

Habitat in insula Bohol Philippinarum (Cuming).

**647. *H. Frascri Gray.***

T. imperforata, globoso-turbinata, solidiuscula, leviter striata. fulva, fasciis variis nigricanti-brunneis ornata; spira late conoidea: anfr.  $6\frac{1}{2}$  convexiusculi, ultimus antice paululum deflexus; apertura lunato-ovalis, intus nitide livida; perist. late expansum, reflexiusculum, intus violaceum, marginibus callo tenui junctis.

dextro arcuato, columellari superne valde dilatato. — Diam. maj. 55, min. 45, alt. 39 mill. (Mus. Cuming.)

*Helix Fraseri* Gray in Proc. Zool. Soc. 1836. p. 63.

— — Zool. of Beech. voy. p. 143. t. 38. f. 6.

— — Griff. anim. kingd. t. 36. f. 6.

— — Chemn. ed. II. Helix N. 302. t. 52. f. 9. 10.

— *Capucinus* Fér. in Bull. zool. 1835. p. 74.

*Arianta? Fraseri* Beck ind. p. 44.

Habitat . . . ?

648. *H. haemastoma* Linn.

T. imperforata, globoso-conoidea, laevigata, castanca, infra peripheriam zona lata alba ornata, apice rosea; spira conoidea, obtusa; sutura medioeris, albo-marginata; anfr. 4 convexiusculi, rapide accrescentes, ultimus basi subcompressus; apertura per-obliqua, oblonga, intus alba; perist. late reflexum, purpureum, marginibus callo lato, purpureo junctis, columellari valde dilatato, subexcavato. — Diam. maj. 45, min. 36, alt. 33 mill. (Coll. Nr. 382.)

*Helix haemastoma* L. syst. ed. 10. p. 773. ed. 12. p. 1247. N. 694.

— — Chemn. IX. P. 2. p. 122. t. 130. f. 1150. 51.

— — (Helicogona) Fér. pr. 52. Hist. t. 32 B. f. 1. 2. 5.

— — Lam. 46. p. 70. ed. Dh. p. 36.

— — Crouch p. 28. t. 14. f. 17.

— — Sow. Conch. Man. f. 267.

— — Chemn. ed. II. Helix N. 7. p. IX et 31. t. 3. f. 1. 2.

— *haematragus* Born ind. p. 400.

— *acava* Val. in Mus. Paris.

*Otala haemastoma* Schumacher p. 191.

*Acavus haemastomus* Montf. p. 235. t. 59.

— — Beck ind. p. 37.

— — Hartm. Gast. I. p. 165. t. 56.

♂ Major: diam. maj. 72, min. 54, alt. 46 mill. (Mus. Cuming.)

♀ Alba, fascia unica ad peripheriam, areaque basali castaneis, perist. purpureo. (Spec.)

♂ Superne nigricanti-rufa, basi praeter aream columellarem candida, fascia angusta alba prope suturam, perist. et callo margines jun-gente nigris:

*Helix melanostragus* Born ind. p. 400. Mus. p. 388.

— — Lam. 47. p. 70. ed. Dh. p. 37.

— — Fér. pr. 53. Hist. t. 32 B. f. 3. 4.

— — Küster Helix p. 32.

— *senegalensis* Encycl. méth. t. 462. f. 4.

— *haemastoma* var. Chemn. IX. f. 1152. 53.

— — var. Chemn. ed. II. Helix t. 3. f. 4. 5.

z. Major, luteo, roseo et fusco variegata, absque fasciis, columella alba. perist. castaneo-marginato: diam. maj. 56, min. 43, alt. 35 mill (Spec.)

*Helix huemastoma* var. *Chemn.* IX. f. 1154.

— — var. *Chemn.* ed. II. *Helix* t. 3. f. 3. t. 7. f. 9. 10.

— *melanotragus* var. *Fér.* hist. t. 32 B. f. 6.

*Acavus melanotragus* *Beck* ind. p. 37.

Habitat in insulis Ceylon et Nicobar.

#### 649. *H. melanocheila* Valenciennes.

T. imperforata, depresso-globosa, crassiuscula, fusca, epidermide hydrophana cinereo-fusca fasciatim obducta, fasciis nigris ornata; spira depresso-semiglobosa; anfr.  $4\frac{1}{2}$  vix convexiusculi: columella perobliqua, late expansa, alba; apertura lunato-rotundata, intus alba; perist. subincrassatum, expansum, nigricans. — R. a. = 2:3. — Diam. maj. 46, min. 37, alt. 30 mill. (Coll. Nr. 383.)

*Helix melanocheila* *Val.* in Mus. Paris.

— — *Grat.* Bord. XI. p. 397. t. 4. f. 12.

— — *Pfr.* Symb. II. p. 32.

— — *Chemn.* ed. II. *Helix* N. 263. t. 44. f. 9. 10.

— *brunnea* *Sow.* in Proc. Zool. Soc. 1841. p. 40. Nec Anton.

Habitat in insula Mindoro Philippinarum (Cuming).

#### 650. *H. chrysocheila* Sowerby.

T. imperforata, depresso-globosa, crassiuscula, oblique striata, rubella, epidermide nitida, olivaceo-lutea induta; spira obtusa; anfr.  $4\frac{1}{2}$  convexi, ultimus valde inflatus; columella perobliqua, dilatata, profunde intrans, subexcavata, vitellina; apertura lunato-rotundata, intus alba; perist. latum, reflexum, valde incrassatum, aurantiacum. — R. a. = 5:9. — Diam. maj. 48. min. 38, alt. 30 mill. (Coll. Nr. 384.)

*Helix chrysocheila* *Sow.* in Proc. Zool. Soc. 1841. p. 3.

— — *Pfr.* Symb. II. p. 25.

— — *Reeve* Conch. syst. II. t. 163. f. 1.

— — *Chemn.* ed. II. *Helix* N. 262. t. 44. f. 5. 6.

Habitat in insula Luzon (Cuming).

#### 651. *H. speciosa* Jay.

T. imperforata, depresso-globosa, tenuis, subpellucida, laevis. castanea, fulva, spadicea vel olivacea, apice obtuso plerumque violacea; spira semiglobosa; anfr.  $4\frac{1}{2}$  rapide accrescentes, ultimus magnus; columella plana, declivis, alba; apertura lunato-subcircularis, intus lactea; perist. reflexum, extus fusco-marginatum. —

R. a. = 5 : 9. — Diam. maj. 42, min. 35, alt. 32 mill. (Coll. Nr. 385.)

*Helix speciosa* Jay catal. 1836. t. 3. f. 9.

— — Jay catal. 1839. p. 416. t. 3. f. 9.

— — Zool. of Beech. voy. p. 444. t. 38. f. 7.

— — Chemn. ed. II. Helix N. 270. t. 46. f. 7—9.

— *coccomelos* Sow. in Proc. Zool. Soc. 1840. p. 167.

— — Pfr. Symb. II. p. 25.

— — Reeve Couch. syst. II. t. 164. f. 9.

Habitat in insula Tablas Philippinarum (Cuming).

Obs. Multimode variat magnitudine, colore testae et apicis, nec non labri. Interdum fasciae adsunt nigricanti-rufae, quare Cl. Sowerby sex varietates enumeravit, quarum tertia (var. c.) cum *H. speciosa* a Cl. Jay prius delineata identica est.

### 652. *H. sphaerion* Sowerby.

T. imperforata, globulosa, tenuiuscula, striatula, luteo-fulva, epidermide non nitente, tenuissima induta; spira semiglobosa, apice obtuso alba, nitida; sutura pallide marginata; anfr. 4—5, supremi planulati, ultimus inflatus; columella tenuis, arcuata, subexcavata, alba; apertura lunato-ovalis, intus lactea, antice fuscicula; perist. simplex, vix expansiusculum, margine supero antrorsum arcuato. — Diam. maj. 40, min. 35, alt. 34 mill. (Mus. Cuming. et Gruner.)

*Helix sphaerion* Sow. in Proc. Zool. Soc. 1841. p. 2.

— — Chemn. ed. II. Helix N. 256. t. 42. f. 5. 6.

β. Saturate brunnea, apice violacea.

? Superne pallide fuscescens, basi saturate castanea, apertura majore. (Mus. Cuming.)

*Helix sphaerion* var. ? Phil. Icon. III. 47. Helix t. 40. f. 2.

Habitat in insulis Leyte et Mindoro Philippinarum (Cuming).

Obs. Differt ab *H. speciosa* praecipue peristomate vix expanso.

### 653. *H. Roissyana* Férussac.

T. imperforata, subglobosa, crassiuscula, laevis, varie colorata, epidermide hydrophana plerumque obducta; spira obtusissima; anfr. 5 convexiusculi, ultimus ventrosus; columella declivis, strictiuscula, plana; apertura sublunaris, intus alba; perist. expansum, nigro-marginatum. Diam. maj. 37, min. 32, alt. 30 mill. (Coll. Nr. 386.)

*Helix Roissyana* (Helicostyla) Fér. pr. 349 ter. Hist. t. 104. f. 2. 3.

— — Desh. in Encycl. méth. II. N. 449. p. 265. \*)

\*) T. orbiculato-conoidea, turbiniformi, apice obtusa, laevigata, fasciis fuscis variabilibus ornata; anfr. 5—6; apertura subsemilunari; columella recta, lata, depressa, alba; labro obtuso, nigro, vix reflexo. — Diam. bas. 34 mill. (Desh. l. c.)

*Helix Roissyana* Sow. in Proc. Zool. Soc. 1840. p. 101.

— — Chemn. ed. II. Helix N. 272. t. 47. f. 1—5.

— *Rossiana* Gray in Ann. of Phil. New ser. IX. p. 412.

*Helicostyla Roissyana* Beck ind. p. 37.

$\beta$ . Var. ? *Helix* . . . Fér. hist. t. 107. f. 44—43.

Habitat in insula Mindoro Philippinarum (Cuming).

Obs. Variat testa alba, epidermide flavescens obducta, varie nigricanti-fasciata, vel saturate castanea, epidermide crassa, opaca, hydrophana — vel fere tota nigra etc.

#### 654. *H. pulcherrima* Sowerby.

T. imperforata, subglobosa, unicolor vel coloribus variis pulchre picta, plerumque epidermide albida elegantissime reticulato-fasciata; spira parvula, obtuse conoidea, apice nitide sanguinea; anfr.  $4\frac{1}{2}$  convexi, ultimus valde inflatus, ad columellam excavatus; columella obliqua, albido-callosa, superne obsolete undentata; apertura lunato-circularis, intus nitidissima; perist. simplex, expansum. — R. a. = 4 : 7. — Diam. maj. 42, min. 33, alt. 29 mill. (Coll. Nr. 387.)

*Helix pulcherrima* Sow. in Proc. Zool. Soc. 1840. p. 90.

— — Reeve Conch. syst. II. t. 164. f. 12. 13.

— — Pfr. Symb. II. p. 37. (exclus. var.  $\beta$ .)

— — Deless. recueil t. 38. f. 44. 42. 45. 46.

— — Chemn. ed. II. Helix N. 264. t. 45. f. 4—4.

*Calocochlea pulcherrima* Hartm. Gast. I. p. 163. t. 54.

Habitat in provincia Cagayan insulae Luzon (Cuming).

Obs. Varietates 44 praecipuae a Cl. Sowerby l. c. enumeratae differunt colore testae saturate castaneo, rufo, cinnamomeo, fulvo, virescente, roseo vel flavo — fasciis solitariis vel approximatis, continuis vel reticulatis — peristomate albo, roseo vel purpureo-limbato. Fascia latior peripherica epidermidis albae fere in omnibus adest.

#### 655. *H. Norrisii* Sowerby.

T. imperforata, globoso-depressa, solida, obsolete malleata, glabra, fulvo-citrina, zonis opacis, candidis et infra suturam maculis irregularibus albis notata; spira semiglobosa; anfr.  $4\frac{1}{2}$  convexi, ultimus ad columellam latam, callosam, arcuatim prolongatam excavatus; apertura lunato-subcircularis, intus lactea; perist. crassum, latissime expansum. — R. a. = 4 : 2. — Diam. maj. 42 min. 34, alt. 28 mill. (Coll. Nr. 388.)

*Helix Norrisii* Sow. in sched. Cuming.

— — Pfr. in Proc. Zool. Soc. 1842. p. 85.

— — Pfr. Symb. II. p. 34.

*Helix Norrisii* Chemn. ed. II. Helix N. 267. t. 46. f. 4. 2.

Habitat in insulis Luzon et Mindanao (Cuming).

Obs. Intermedia inter *H. pulcherrimam* et *zoniferam*, ab illa spira depressa et columella arcuata, ab altera columella excavata, nec angulata distinguenda.

656. *H. zonifera* Sowerby.

T. imperforata, subglobosa, tenuis, fulva, zonis variis opacis, lutescenti-albidis ornata, obsolete angulata; anfr. 4 convexi, supremi depressi; columella plana, recta, elongata; apertura lunato-rotundata, intus nitida; perist. simplex, expansum, album, cum callo columellari angulatim junctum. — R. a. = 4 : 2. — Diam. maj. 40, min. 33, alt. 27 mill. (Coll. Nr. 389.)

*Helix zonifera* Sow. in sched. Cuming.

— — Pfr. in Proc. Zool. Soc. 1842. p. 85.

— — Pfr. Symb. II. p. 42.

— — Reeve Conch. syst. II. t. 465. f. 47.

— — Chemn. ed. II. Helix N. 268. t. 46. f. 3. 4.

β. Tenuissima, luteo-virens, basi unicolor, ad peripheriam fascia lata nigricante et angustiore albida, superne fasciis pluribus albis interruptis ornata.

γ. Rufo-nigricans, fasciis variis sordide albidis.

δ. Crassiuscula, cinnamomea, fasciis lutescenti-albidis.

ε. Major, fulva, fascia nigricante, albedo-maculata ad suturam, et latissima, medio alba, ad peripheriam. — Diam. maj. 46, min. 37, alt. 33 mill. (Mus. Cuming.)

Habitat in insulis Philippinis, α et β Leyte, γ et δ Samar, ε Mindanao (Cuming).

Obs. Differt ab *H. pulcherrima* spira depressa, anfractu ultimo minus inflato, et columella neque excavata, neque dentata.

657. *H. decipiens* Sowerby.

T. imperforata, subglobosa, tenuis, laevis, non nitens, pel-lucida, fulva vel sulphurea, epidermide hydrophana alba strigata et fasciata; spira subelata; anfr. 4 rotundati; columella alba, sub-arcuata; apertura lunato-subcircularis, intus lactea; perist. expansum. — R. a. = 4 : 2. — Diam. maj. 35, min. 28, alt. 25 mill. (Coll. Nr. 390.)

*Helix decipiens* Sow. in Proc. Zool. Soc. 1840. p. 96. (excl. var. plur.)

— — Pfr. Symb. II. p. 27.

— — Chemn. ed. II. Helix N. 265. t. 45. f. 5. 6.

α. Cinnamomea, albo-strigata et medio unifasciata. (Mus. Cuming.)

β. Sulphurea, albo-strigata et albo-1—2-fasciata. (Spec.)

γ. Unicolor straminea. (Spec.)

Habitat in insulis Philippinis Luzon et Capul (Cuming).

Obs. 1. Differt ab *H. pulcherrima* apertura minus transversa, subelongata, columella non excavata, perist. expanso, non reflexo, etc.

Obs. 2. Varietates nonnullae *H. mirabilis* saepe cum nostra specie confusae sunt, ex descriptione Sowerbyana emendata facile dignoscendae. (Conf. Pfr. Symb. II. p. 27.)

#### 658. *H. dubiosa* Pfr.

T. imperforata, depresso-globosa, tenuis, obsolete malleata, fulva, fascia suturali et area columellari nigro-rufis, fasciisque plurimis epidermidis hydrophanae albidae ornata; spira subsemiglobosa; anfr. 4 convexiusculi, celeriter accrescentes; columella intrans, planulata, declivis; apertura lunato-rotundata, intus margaritacea; perist. tenue, album, late expansum, vix reflexiusculum, margine basali cum columella angulum obsoletum formante. — Diam. maj. 35, min. 28, alt. 26 mill. (Coll. Nr. 394.)

*Helix dubiosa* Pfr. Symb. III. p. 74.

— — Pfr. in Proc. Zool. Soc. 1845. p. 123.

— — Chemn. ed. II. *Helix* N. 269. t. 46. f. 5. 6.

— *decipiens* var. c et d Sow. Proc. Zool. Soc. 1840. p. 97.

— — ex parte Pfr. Symb. II. p. 27.

— — Reeve Conch. syst. II. t. 165. f. 16.

— — var. *Deless.* recueil t. 38. f. 10.

β. Fasciis 2 negricantibus ad peripheriam.

γ. Fasciis periphericis latis, interstitio albedo. (Coll. Gruner.)

Habitat in insula Samar Philippinarum (Cuming).

#### 659. *H. luzonica* Sowerby.

T. imperforata, conico-globosa, crassiuscula, oblique striata, rufa, apice sanguinea, epidermide liberea fere omnino tecta, medio fascia lata, albida ornata; spira conoidea; anfr. 5—5½ convexiusculi; columella obliqua, dilatata, tuberculosa; apertura lunato-circularis, intus lactea; perist. incrassatum, late reflexum, albo vel purpureo late limbatum. — R. a. = 5:7. — Diam. maj. 43, min. 34, alt. 30 mill. (Coll. Nr. 392.)

*Helix luzonica* Sow. in sched. Cuming.

— — Pfr. Symb. II. p. 32.

— — Pfr. in Proc. Zool. Soc. 1842. p. 85.

— — Reeve Conch. syst. II. t. 165. f. 20.

— — Chemn. ed. II. *Helix* N. 266 t. 45. f. 7. 9. 10

β Minor. unicolor, laete castanea, non nitens. apice sanguinea diam. maj. 39, min. 30, alt. 28 mill. (Spec.)

*Helix pulcherrima* var. *Cuming* in sched.

*Helix pulcherrima* β Pfr. Symb. II. p. 37.

— *huzonica* var. Chemn. l. c. t. 45. f. 8.

; Minor: diam. maj. 31, min. 26, alt. 23 mill. (Spec.)

*Helix huzonica* var. Chemn. l. c. t. 45. f. 44.

Habitat in insula Luzon (Cuming).

Obs. Differt ab *H. pulcherrima* testa crassa, conoidea, anfractuum lentius accrescentium numero, columellā vix excavata et labro incrassato

660. *H. obtusa* Pfr.

T. imperforata, subglobosa, tenuis, striis incrementi et lineis impressis concentricis obsoletis subdecussata, nitida, laete casta-  
nea; spira subelevata, obtusa; anfr. 4 convexi, ultimus inflatus;  
columella obliqua, acuta, alba; apertura dilatata, subauriformis,  
intus margaritacea; perist. simplex, expansum. — R. a. = 5 : 8  
— Diam. maj. 35, min. 29, alt. 26 mill. (Mus. Cuming.)

*Helix obtusa* Pfr. in Proc. Zool. Soc. 1845. p. 38.

β. *Alba*, minor: diam. maj. 30, min. 24, alt. 20 mill. (Mus. Cum.)

Habitat in insula Luzon (Cuming).

661. *H. unica* Pfr.

T. imperforata, globosa, solidiuscula, oblique striatula, albida;  
sutura profunda; anfr. 5½ inflati, supremi planiusculi; columella  
profunde intrans, arcuata, subcanaliculata; apertura perobliqua,  
subcircularis, intus alba; perist. late expansum, intus fulvidum,  
marginibus approximatis, basali incrassato. — R. a. = 43 : 20.  
— Diam. maj. 38, min. 34, alt. 49 mill. (Mus. Cuming.)

*Helix unica* Pfr. in Proc. Zool. Soc. 1842. p. 154.

Habitat prope Samboanga insulae Mindanao (Cuming).

Obs. Forma accedit ad *H. mammillam* Fér., a qua differt testa omnino imperforata, laeviuscula etc.

662. *H. collodes* Sowerby.

T. imperforata, subsemiglobosa, tenuis, alba, epidermide  
fusco-lutescente, nitida induta, apice carnea; sutura distincta,  
rufo-marginata; anfr. 5 convexiusculi, ultimus basi subplanulatus;  
columella brevis, obliqua, tenuis; apertura rotundato-lunaris,  
intus alba; perist. expansum, subincrassatum, nigricans. — R. a.  
= 8. — Diam. maj. 32, min. 27, alt. 22 mill. (Coll. Nr. 393.)

*Helix collodes* Sow. in Proc. Zool. Soc. 1840. p. 402.

— Pfr. Symb. II. p. 25.

— Chemn. ed. II. *Helix* N. 676. t. 108. f. 7. 8.

Habitat in insula Tablas Philippinarum (Cuming).



663. *H. tephrodes* Pfr.

T. imperforata, subglobosa, solida, ponderosa, superne rufa. strigis latis epidermidis cinereae hydrophanae fere oblecta, basi straminea, rufo-fasciata; anfr.  $4\frac{1}{2}$  convexi, supremi depressi, rotundati, rufescentes; columella lata, alba, subarcuata; apertura lunato-subcircularis, intus alba; perist. simplex, reflexum. — R. a. = 11 : 20. — Diam. maj. 37, min. 33, alt. 30 mill. (Mus. Cuming. et Coll. Nr. 394. jun.)

*Helix tephrodes* Pfr. in Proc. Zool. Soc. 1842. p. 151.

Habitat in provincia Pangasinon insulae Luzon (Cuming).

Obs. Variat zonis alternantibus latis rufis et flavidis sub epidermide strigata.

664. *H. Butleri* Pfr.

T. imperforata, globosa, tenuiuscula, laevis, apice obtuso alba; spira semiglobosa; sutura mediocris; anfr.  $4\frac{1}{2}$  planiusculi, ultimus inflatus, pallide lutescens, lineis confertis, fuscis, interruptis ornatus; columella subrecta, lata, profunde intrans; apertura rotundato-lunaris; perist. simplex, album, margine dextro vix expanso, basali subincrassato, cum columella angulum obtusum formante. — Diam. maj. 37, min. 34, alt. 28 mill. (Mus. Cuming.)

*Helix Butleri* Pfr. in Proc. Zool. Soc. 1842. p. 87.

— *crispata* Fér.? Pfr. Symb. II. p. 26.

β. Minor: diam. maj. 34, min. 26, alt. 22—23 mill. (Coll. Nr. 395.)

*Helix Butleri* Phil. Icon. I. 4. p. 80. t. 4. f. 42.

— — Chemn. ed. II. Helix N. 273. t. 47. f. 44. 42.

γ. Solida, epidermide lutescente obducta, area columellari interdum nitide nigricante.

Habitat in insula Luzon (Cuming).

665. *H. languida* Pfr.

T. imperforata, globosa, tenuiuscula, regulariter et confertim oblique striata, apice obtuso lutescens; sutura linea fusca, nitida notata; anfr.  $4\frac{1}{2}$  convexiusculi, ultimus rufus, epidermide hydrophana cinerascens indutus, albo-lineolatus, basi nudus, nitidus; columella verticalis, albo-callosa; apertura subovalis; perist. . . — R. a. = 5 : 8. — Diam. et alt. 30 mill. (Mus. Cuming.)

*Helix languida* Pfr. in Proc. Zool. Soc. 1842. p. 150.

Habitat in insula Siquijor, ubi in foliis palmarum nonnisi 2 specimina incompleta legit Cl. Cuming

Obs. Affinis videtur varietatibus quibusdam *H. metaformis*.

666. *H. retusa* Pfr.

T. imperforata, subglobosa, apice retusa, tenuis, laevigata, basi concentrice striolata, castaneo-fulva, albo late strigata et flammulata, epidermide hydrophana, albida, decidua partim induta, sursum pallescens, castaneo-fasciata; spira brevis; anfr. 4 convexiusculi, ultimus subangulatus, vix descendens; columella intrans, alba, superne dentato-dilatata; apertura rotundato-lunaris, intus margaritacea; perist. late expansum, reflexiusculum. — Diam. maj. 28, min. 24, alt. 20 mill. (Mus. Cuming. et Gruner.)

*Helix retusa* Pfr. in Proc. Zool. Soc. 1845. p. 132.

— — *Phil. Icon.* II. 44. p. 84. t. 7. f. 2.

— — *Chemn.* ed. II. *Helix* N. 274. t. 47. f. 9. 10.

Habitat in insula Samar Philippinarum (Cuming).

667. *H. sphaerica* Sowerby.

T. imperforata, globosa, oblique irregulariter rugulosa, flava, haud nitens, fascia nivea ad suturam, saturate rufa ad peripheriam ornata, interdum fusco-strigata; anfr.  $4\frac{1}{2}$  convexiusculi, ultimus juxta aperturam constrictus; columella lata, alba, subtuberosa, area nigricante circumdata; apertura lunato-circularis, intus nitide nivea; perist. reflexum, nigro-marginatum. — R. s. = 5 : 44. — Diam. maj. 26, min. 23, alt. 18 mill. (Coll. Nr. 396.)

*Helix sphaerica* Sow. in Proc. Zool. Soc. 1844. p. 26.

— — *Pfr. Symb.* II. p. 39.

— — *Deless. recueil* t. 38. f. 4.

— — *Chemn.* ed. II. *Helix* N. 250. t. 39. f. 3. 4.

Habitat in insulis Luzon et Zebu (Cuming).

668. *H. mandarina* Gray.

T. imperforata, turbinato-globosa, solida, striata, castanea; spira elata, conoidea, apice obtusa; anfr.  $5\frac{1}{2}$  convexi, ultimus pallide cingulatus, interdum medio subangulatus; sutura profunda; apertura late rotundato-lunaris; perist. subincrassatum, margine supero vix expanso, basali et columellari dilatato, arcuato, carneo. — Diam. maj. 27, min. 23, alt. 20 mill. (Mus. Cuming.)

*Helix mandarina* Gray Zool. of Beech. voy. p. 443. t. 38. f. 3.

β. Spira elatiore, apertura magis rotundata: diam. maj. 25, min.  $22\frac{1}{2}$ , alt. 23 mill. (Mus. Cuming.)

*Helix mandarina* var. *Gray* Zool. of Beech. voy. t. 34. f. 2.

Habitat Loo-Choo (Gray).

669. *H. strobilus* Férussac.

T. imperforata, conico-globosa, oblique striata, nitida, nigricans, interdum cingulo lato fusco circumdata, circa columellam

area flava, rubro-cincta ornata; anfr.  $5\frac{1}{2}$  convexi, ultimus basi planulatus, antice deflexus; apertura lunato-ovalis; columella lata, alba, intrans, excavata; perist. album, reflexum, margine columellari declivi. — Diam. maj. 26, min. 22, alt. 20 mill. (Coll. Nr. 397.)

*Helix strobilus* (Helicostyla) *Fér.* pr. 347. Hist. t. 103. f. 4.

— — *Wood* suppl. t. 7. f. 55.

— — *Pfr.* Symb. III. p. 72.

— — *Chemn.* ed. II. *Helix* N. 437. t. 72. f. 22. 23.

*Helicostyla strobilus* *Beck* ind. p. 36.

♀. Carnea, columella et apertura roseis. (Mus. Cuming.)

*Helix mamilla* *Lea* obs. l. p. 466. t. 49. f. 64.

Habitat in insulis Antillis? (Beck.)

#### 670. *H. avellana* *Férussac.*

T. obtecte subperforata, conoideo-globosa, crassa, ponderosa, sublaevigata, castanea, unicolor vel albo irregulariter radiata et variegata; spira conoidea, obtusa; anfr. 5 convexi, ad suturam profundam plerumque plicatuli et albo-fasciati, ultimus ventrosus, antice vix descendens; apertura obliqua, parvula, subsemicircularis; perist. subrectum, intus incrassatum, marginibus callos junctis, columellari lato, reflexo, appresso. — Diam. maj. 20, min. 18, alt. 16 mill. (Coll. Gruner.)

*Helix avellanea* (Helicostyla) *Fér.* pr. 348. Hist. t. 103. f. 4. 5.

— *avellana* *Lam.* ed. Dh. 467. p. 407.

— — *Chemn.* ed. II. *Helix* N. 343. t. 54. f. 7. 8.

*Helicostyla avellana* *Beck* ind. p. 36.

Habitat . . . ?

Obs. Similis *H. strobilo* et *alaudae*, ab utraque anfractibus convexis. ultimo basi non excavato, subrimato, distincta. — "An *H. alaudae* var. spira elatior?" (Dh.)

#### §. 53.

#### 671. *H. cornu militare* *Linn.*

T. imperforata, globoso-depressa, solida, striata, sulcis impressis nonnullis cingulata, alba, epidermide fusca decidua; spira brevis, obtusa; anfr. 5 planiusculi, ultimus basi inflatus; apertura rotundato-lunaris, patula, intus nitide alba; perist. simplex, reflexum, margine supero arcuato, columellari calloso, valde dilatato. — Diam. maj. 68, min. 53, alt. 42 mill. (Coll. Nr. 398.)

*Helix cornu militare* *Linn.* syst. ed. 10. p. 770. ed. 12. p. 1243. N. 666.

— — — (*Helicogena*) *Fér.* p. 24. Hist. t. 45. f. 5—7.

— — — *Chemn.* ed. II. *Helix* N. 3. p. VII. t. 4. f. 9. 10.

*Helix mahum terrae* Chemn. IX. P. 2. p. 116. t. 129. f. 1142. 43.

→ *gigantea* Scop. Delic. insubr. t. 25. f. A.

— — *Lam.* 2. p. 65. ed. Dh. p. 27.

— — *Küster* Helix p. 27.

*Eurycratera gigantea* Beck ind. p. 45.

*Leiotoma gigantea* Swains. Malac. p. 328.

*Knorr* Vergn. VI. p. 62. t. 32. f. 2!

♂. Castanea, fasciis numerosis intense brunneis ornata:

*Fér.* hist. t. 32. f. 4.

Habitat in insulis Sandwich, teste Jay catal.

Obs. 1. E rarissimis! Specimina temporibus recentioribus non allata esse videntur.

Obs. 2. Conf. hoc loco H. Waltoni Reeve (Nr. 7).

#### 672. *H. extensa* Möller.

T. imperforata, subglobosa, lineis elevatis circumdata, rugoso-malleata, sub epidermide decidua fuscescēte alba; spira brevis, obtusa; anfr. 4 planulati, ultimus convexus, subcarinatus; apertura perobliqua, lunato-ovalis; columella lata, plana, leviter arcuata; perist. reflexum, tenue, margine dextro repando. — Diam. maj. 38, min. 32, alt. 28 mill. (Mus. Cuming.)

*Helix extensa* Müll. verm. II. p. 60. N. 254. \*)

— — *Lam.* 18. p. 70. ed. Dh. p. 37.

— — *Fér.* pr. 24. Hist. t. 16. f. 1. 2?

*Eurycratera extensa* Beck ind. p. 46.

Habitat in insulis Moluccis? (Beck.)

#### 673. *H. latitans* Broderip.

T. imperforata, globoso-depressa, solida, longitudinaliter striata, sulcis concentricis obsolete notata, atrorufescens, epidermide tenui, flavescenti-grisea induta, medio rufo-fasciata; spira brevis, nuda; anfr. 4 convexiusculi, ultimus obsolete angulatus; columella declivis, lata, plana, fusco-carnea; apertura perobliqua, lunato-ovalis, intus nitida, livida; perist. intus fusco-carneum, late expansum, tenuiusculum, vix reflexum, marginibus callo nitido junctis, supero arcuato, basali cum columellari angulum formante. — Diam. maj. 67, min. 53, alt. 44 mill. (Coll. Nr. 399.)

*Helix latitans* Brod. in Proc. Zool. Soc. 1844. p. 3.

— — *Reeve* Conch. syst. II. t. 165. f. 18.

\*) T. imperforata, subglobosa, pallida, immaculata, apertura ampla. — Diam. 46 lin. — Facies *H. pomatiae*, at spira (anfract. superiores simul sumti) minus prominens; apertura repanda, seu extremitas anfractus magis protensa, anfractusque quatuor. Foramen labio perfecto obturatum; labrum nullum — in Museo Spengleriano. (Müll. l. c.)

*Helix latilans* Deless. recueil t. 38. f. 3.

— — Chemn. ed. II. Helix N. 259. t. 43. f. 3. 4.

Habitat in insula Bohol Philippinarum (Cuming).

**674. *H. cryptica* Broderip.**

T. imperforata, globoso-depressa, solida, striata, rugis obliquis sculpta et lineis elevatis cincta, purpureo-brunnea, epidermide fuscula induta; spira brevis, nuda; anfr. 4 convexiusculi, ultimus medio angulatus, antice descendens; columella declivis, valde dilatata, carnea; apertura perobliqua, lunato-ovalis, intus argenteo-coerulescens; perist. late expansum, incrassatum, reflexum, carneo-lividum. — Diam. maj. 66, min. 53, alt. 42 mill. (Coll. Nr. 400.)

*Helix cryptica* Brod. in Proc. Zool. Soc. 1844. p. 22.

— — Pfr. Symb. II. p. 26.

— — Chemn. ed. II. Helix N. 258. t. 43. f. 1. 2.

Habitat in insula Samar Philippinarum (Cuming).

Obs. Differt ab *H. latitante* rugis obliquis, epidermide fuscescente peristomate crasso, margine supero magis deflexo.

**675. *H. cretata* Broderip.**

T. imperforata, depresso-globosa, solida, sub epidermide griseo-flavida saepe obscure zonata, nitide atro-rufescens; spira subelevata, semiglobosa, strigis epidermidis variegata; anfr. 4 convexi, ultimus lineis elevatis, concentricis cinctus et irregulariter malleatus; columella declivis, strictiuscula, dilatata, plana, alba vel rubella; apertura ampla, lunato-ovalis, intus margaritacea; perist. late expansum, reflexum, margine supero arcuato, basali cum columellari angulum obtusum formante. — Diam. maj. 66, min. 54, alt. 46 mill. (Mus. Cuming.)

*Helix cretata* Brod. in Proc. Zool. Soc. 1844. p. 23.

Habitat in insula Leyte Philippinarum (Cuming).

Obs. Differt ab *H. latitante* et *cryptica* forma globosa, spira elatiore et sculptura.

**676. *H. cognata* Férussac.**

T. imperforata, depressa, solida, transverse ovata, oblique striata, obsolete granulosa, nitida, spadiceo-fulvescens, punctis rufis irregulariter aspersa; spira brevissima; anfr. 4 planiusculi, ultimus interdum medio pallide cingulatus, basi albus, inflatus, antice breviter deflexus; apertura perobliqua, transverse ovalis, intus nitida, livida; perist. album, crassum, breviter reflexum.

margine columellari dilatato, appresso, excavato. — Diam. maj. 54, min. 38, alt. 30 mill. (Coll. Saul. et Walton.)

*Helix cognata* (Helicogena) Fér. pr. 76. Hist. t. 44. f. 4.

— — Pfr. Symb. III. p. 72.

— — Chemn. ed. II. Helix N. 260. t. 43. f. 5. 6

Habitat in insulis Antillis? (Fér.)

Obs. Tria vidi specimina in collectionibus Londinensibus prorsus aequalia, forma ad *H. asperam* Fér. accedentia, sculptura et apertura edentula facile distinguenda.

**677. *H. ponderosa* Pfr.**

T. imperforata, globoso-depressa, tumida, solida, ponderosa, laeviuscula (striis incrementi et concentricis confertissimis vix conspicuis), alba, basi epidermide nitida, pallide cornea induta; anfr.  $4\frac{1}{2}$ , convexiusculi, ultimus subangulatus, fasciis albis hydrophanis infra angulum interdum obsolete notatus; columella recta, lata, perobliqua; apertura subauriformis, intus alba; perist. late reflexum. — R. a. = 4 : 2. — Diam. maj. 46, min. 34, alt. 27 mill. (Coll. Nr. 404.)

*Helix ponderosa* Pfr. in Proc. Zool. Soc. 1845. p. 38.

— — Chemn. ed. II. Helix N. 675. t. 408. f. 3. 4.

— . . . . Fér. hist. t. 28 A. f. 5. 6.

Habitat in provincia Iloconensi insulae Luzon (Cuming).

Obs. Forma *H. latitanti* similis, differt magnitudine, colore et sculptura minutissima.

**678. *H. lignaria* Pfr.**

T. imperforata, subgloboso-depressa, solida, laevigata, castanea, fasciis variis epidermidis hydrophanae, fusco-cinereae obducta; spira vix elevata, obtusa; anfr.  $4\frac{1}{2}$ , vix convexiusculi, celesriter accrescentes, ultimus ad peripheriam subangulatus; columella strictiuscula, perobliqua, lata, planata, fusca; apertura rotundato-lunaris, intus albida; perist. subincrassatum, brevissime reflexum, fusco-marginatum. — Diam. maj. 45, min. 36, alt. 27 mill. (Mus. Cuming.)

*Helix lignaria* Pfr. in Proc. Zool. Soc. 1846. p. 144.

Habitat prope Surigao insulae Mindanao.

Obs. Differt ab *H. melanocheila* Val. spira depressa et columella obliqua, ab *H. matrueli* Sow. spira depressiore, columella non dentata, etc.

**679. *H. matruella* Sowerby.**

T. imperforata, globoso-depressa, tenuiuscula, oblique striata, nigricans, epidermide fusco-cinerea hydrophana induta; area columellaris nitide lutea, fascia nigricante circumdata; spira parum

elata; sutura levis; anfr. 4, supremi complanati; columella oblique, valide (interdum obsoletius) dentata, extrorsum dilatata, brunnea; apertura subtrapezoidalis, intus livida; perist. incrassatum, expansum, brunneo-marginatum. — R. a. = 2 : 3. — Diam. maj. 38, min. 34, alt. 24 mill. (Coll. Nr. 402.)

*Helix matruelis* Sow. in Proc. Zool. Soc. 1844. p. 24.

— — *Pfr.* Symb. II. p. 32.

— — *Deless.* recueil t. 38. f. 4.

— — *Chemn.* ed. II. *Helix* N. 274. t. 46. f. 40. 41

— . . . *Fér.* hist. t. 107. f. 44—46?

β. Minor, subglobosa: diam. 35, alt. 24 mill. (Mus. Cuming.)

Habitat in insula Mindanao Philippinarum (Cuming).

#### 690. *H. Albaiensis* Sowerby.

T. imperforata, depresso-globosa, tenuis, nitida, alba, unicolor vel fusco-zonata; spira depressa; sutura linearis; anfr. 4 planiusculi, ultimus subtus inflatus; columella tenuis, subrecta, declivis, profunde excavata; apertura lunato-ovalis, margine supero subdepresso; perist. late reflexum, album, margine subincrassato, cum columella angulum distinctum formante. — R. a. = 4 : 2. — Diam. maj. 39, min. 30, alt. 26 mill. (Coll. Nr. 403.)

*Helix Albaiensis* Sow. in Proc. Zool. Soc. 1840. p. 100.

— — *Pfr.* Symb. II. p. 22.

— — *Chemn.* ed. II. *Helix* N. 674. t. 108. f. 1. 2.

— *mirabilis monstr.?* *Fér.* hist. t. 105. f. 3?

β? *Fér.* hist. t. 28 A. f. 1. 2.

Habitat in provincia Albaiensi insulae Luzon (Cuming).

#### 691. *H. aurata* Sowerby.

T. imperforata, depressa, tenuis, longitudinaliter et concentrice obsolete et confertim striata, aurea, fascia lata rubra prope suturam et plerumque angusta coerulea supra peripheriam ornata; spira vix exserta, apice obtusa, purpurea; anfr. 4½ planiusculi, ultimus inflatus, non descendens; columella leviter arcuata, excavata, alba; apertura parum obliqua, lunaris, intus unifasciata; perist. simplex, breviter expansum, margine supero antrorsum dilatato. — Diam. maj. 35, min. 25, alt. 24 mill. (Mus. Cuming. et Coll. Nr. 404. jun.)

*Helix aurata* Sow. in Proc. Zool. Soc. 1840. p. 100.

— — *Reeve* Conch. syst. II. t. 166. f. 26.

— — *Chemn.* ed. II. *Helix* N. 678. t. 108. f. 12—14.

β. Superne aurea, ad suturam interdum albo-fasciata, basi alba. (Mus. Cuming.)

Habitat in insula Luzon rarissima (Cuming).

**662. *H. zonulata* Férussac.**

T. imperforata, depresso-globosa, tenuis, lineis minutissimis decussantibus scabriuscula, nitidula, fulvescenti-carnea, ad peripheriam fascia diluta albida, superne zonula unica rufa, angusta, marginata circumdata; anfr. 5 convexiusculi, ultimus ventrosus; columella tenuis, rubicunda, callosa; apertura rotundato-lunaris; perist. simplex, reflexum, margine columellari dilatato, umbilici locum prorsus tegente, cum basali angulum subdenticulatum formante. — Diam. maj. 26, min. 24, alt. 45 mill. (Coll. Nr. 405.)

*Helix zonulata* (Helicogena) Fér. prodr. p. 67.

— — Chemn. ed. II. *Helix* N. 305. t. 53. f. 3—5.

— *Listeri* Fér. pr. 22. Hist. t. 15. f. 4. 2.

— *lemniscata* Less. voy. de la Coq. p. 306. \*)

*Eurycratera zonulata* Beck ind. p. 46.

β. Major: diam. maj. 30, min. 24, alt. 47 mill. (Mus. Cuming.)

Habitat in Nova Guinea.

**663. *H. cromyodes* Pfr.**

T. imperforata, depresso-globosa, tenuissima, pellucida, olivaceo-fulva, apice violacea; anfr. 4 planiusculi, ultimus magnus, medio fascia lata, alba cingulatus et epidermide tenuissima cinescente fasciatim ornatus, basi minute et concentricae striatus; columella perobliqua, lata, alba; apertura lunato-ovalis; perist. simplex, expansum, margine rufo-violacescente. — R. a. = 3 : 7. — Diam. maj. 32, min. 26, alt. 20 mill. (Coll. Nr. 406.)

*Helix cromyodes* Pfr. in Proc. Zool. Soc. 1842. p. 150.

— — Phil. Icon. II. 9. p. 3. *Helix* t. 6. f. 9.

— — Chemn. ed. II. *Helix* N. 306. t. 53. f. 6. 7.

β. Major, fasciis interruptis hydrophanis varie cingulata: diam. maj. 35, min. 28, alt. 22 mill. (Coll. Dunker.)

*Helix fragilis* Collect. Nec Sow.

Habitat in provincia Misamis insulae Mindanao (Cuming).

**664. *H. Najas* Pfr.**

T. imperforata, depresso-globosa, tenuis, subtilissime striata, sub epidermide decidua, lutescente hyalina, alba; spira brevis; anfr. 4 convexiusculi, ultimus valde inflatus; columella leviter arcuata, subsimplex; apertura parum obliqua, lunato-ovalis; perist. simplex, undique breviter expansum. — Diam. maj. 27, min. 22, alt. 48 mill. (Coll. Nr. 407.)

*Helix Najas* Pfr. Symb. III. p. 71.

\*) T. subglobosa, glaberrima, imperforata, tenui, aureo-fulva, fascia unica angusta, rufa ornata; apertura rotundata; perist. subreflexo, margine sinistro crasso, coccineo. — Magnit. et forma *H. rufae* Less. — Nova Guinea. (Less. l. c.)



*Helix Najas* Phil. Icon. II. 15. p. 185. Helix t. 9. f. 5.

— — *Chemn.* ed. II. Helix N. 308. t. 53. f. 12. 13.

Habitat . . . ? (Ex Antillis oriunda dicitur.)

**685. *H. intorta* Sowerby.**

T. imperforata, depresso-globosa, tenuis, diaphana, subtilissime striata, coloribus valde varians; sutura linearis, plerumque rufo-marginata; anfr.  $4\frac{1}{2}$  vix convexiusculi, supremi depressi. ultimus subtus inflatus; columella oblique descendens, acuta, subexcavata; apertura lunato-rotundata; perist. simplex, reflexiusculum. — R. a. = 4 : 7. — Diam. maj. 32, min. 27, alt. 20 mill. (Coll. Nr. 408.)

*Helix intorta* Sow. in Proc. Zool. Soc. 1840. p. 168.

— — *Reeve* Conch. syst. II. t. 164. f. 10.

— — *Pfr.* Symb. II. p. 31.

— — *Deless.* recueil t. 38. f. 7.

— — *Chemn.* ed. II. Helix N. 307. t. 53. f. 8—11.

Habitat in insulis Bohol, Capul, Negros, Siquijor (Cuming).

Obs. 1. Variat colore albido, citrino, roseo, sulphureo vel cinnamomeo fasciis interdum nullis, plerumque 3 pallide rufis vel nigricantibus, peristomate albo aut rufo vel roseo-marginato. (Conf. var. 12 a Cl. Sowerby l. c. enumeratae.)

Obs. 2. Persimilis sequenti; differt anfractibus convexioribus, sensim accrescentibus, ultimo inflato, apertura lateraliter non dilatata, perist. vix reflexo

**686. *H. Valenciennesii* Eydoux.**

T. imperforata, globoso-depressa, tenuis, diaphana, nitidula, minute striata, alba; spira parva, superne depressa; sutura linearis, superne rufo-marginata; anfr. 4 planiusculi, ultimus magnus. obsolete angulatus; columella declivis, subexcavata; apertura lunato-elliptica; perist. simplex, expansum. — R. a. = 1 : 2. — Diam. maj. 32, min. 27, alt. 18 mill. (Coll. Nr. 409.)

*Helix Valenciennesii* Eyd. in Guérin mag. 1838. t. 115. f. 2.

— — *Deless.* recueil t. 38. f. 8.

— — *Chemn.* ed. II. Helix N. 304. t. 53. f. 1. 2

Habitat in insula Capul Philippinarum (Cuming).

**687. *H. flaris* Valenciennes.**

T. imperforata, depresso-globosa, tenuis, striis incrementi validis notata, albida, epidermide pallide cornea, decidua instructa; spira parum elevata, obtusa; sutura linearis, albo-marginata; anfr. 4 planiusculi, ultimus obtuse angulatus; columella obliqua, margine granulosa; apertura dilatata, lunaris; perist.

nigrum, subincrassatum, parum expansum. — R. a. = 4 : 7. — Diam. maj. 37, min. 30, alt. 24 mill. (Mus. Cuming.)

*Helix filaris* Val. Mus. Paris. (teste Cum.)

— — Pfr. in Proc. Zool. Soc. 1845. p. 38.

β. Minor, apice nigricante, sutura rufa: diam. maj. 33, min. 27, alt. 19 mill. (Mus. Cuming.)

Habitat in insula Marinduque Philippinarum (Cuming).

Obs. 1. Intermedia inter *H. Valenciennesii* et virginem, a priori spira elevata et anfractu ultimo obtuse angulato, basi non inflato, ab altera spira majore, columella magis obliqua et perist. incrassato, nigro diversa.

Obs. 2. *H. conformis* Fér. ex icone speciebus praecedentibus affinis videtur, tamen ex descriptione alio loco inserenda. (Conf. Nr. 777.)

### 688. *H. Sirena* Beck.

T. imperforata, globoso-depressa, diaphana, spiraliter minutissime et confertissime striata, pallide viridis aut straminea, fasciis rufis et saturate viridibus ornata; spira parum elevata; sutura levis; anfr. 4 convexiusculi, ultimus ad peripheriam interdum subangulatus, albido-cingulatus, antice subito deflexus; columella brevis, arcuata, macula fusca circumdata; apertura lunato-elliptica, intus fasciata; perist. simplex, late expansum, nigricans, marginibus conniventibus. — R. a. = 8 : 15. — Diam. maj. 24, min. 18½, alt. 15½ mill. (Coll. Nr. 440.)

*Helix Sirena* Beck in sched. Cuming.

— — Pfr. Symb. II. p. 39.

— — Chemn. ed. II. *Helix* N. 309. t. 53. f. 14—17.

β. Major, subcarinata, subtus unicolor, perist. albo: diam. maj. 26, min. 20½, alt. 14½ mill. (Spec.)

*Helix Sirena* Phil. Icon. I. 4. p. 78. *Helix* t. 4. f. 6.

γ. Unicolor straminea, fascia pallidior supra carinam obtusam: dimens. sicut var. β. (Spec.)

Habitat in insula Panay Philippinarum (Cuming.)

Obs. Huic similes sunt varietates nonnullae ecarinatae *H. Hügelii* Pfr. (Conf. Nr. 785.)

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### 689. *H. Pettitiana* Orbigny. †

T. imperforata, subdepressa, ovata, crassa, exilissime transversaliter et longitudinaliter striata; spira brevis, obtusissima; anfr. 4; apertura lata; labrum margine incrassatum, reflexum; columella complanata. — Diam. 67, alt. 27 mill. (O.) — Diam. maj. 67, min. 48, alt. 34 mill. (ex ic.)

*Helix Pettitiana* Orb. moll. cub. I. p. 144. t. 9. f. 1—3.

Habitat in insula Cuba: Jagua.

Obs. « Similis *H. auricomae* Fér., magnitudine et peristomate reflexo distinguenda. »

690. *H. sobrina* Férussac.

T. imperforata, globoso-depressa, solida, oblique striata, pallide lutea; anfr. 5 convexiusculi, ultimus ad peripheriam obtuse angulatus; apertura perobliqua, lunato-rotundata, intus alba; perist. incrassatum, reflexiusculum, marginibus callo junctis. dextro breviter arcuato, columellari dilatato, irregulariter et obsolete denticulato. — Diam. maj. 54, min. 43, alt. 30 mill. (Mus. Cuming. et Gruner.)

*Helix sobrina* (Helicogena) Fér. pr. 84. Hist. t. 43. f. 6.

— — Pfr. Symb. III. p. 74.

— — Chemn. ed. II. Helix N. 298. t. 52. f. 1. 2.

β. Minor: diam. maj. 44, min. 37, alt. 24 mill. (Mus. Cuming.)

Habitat in insula Cuba (Petit).

691. *H. crassilabris* Pfr.

T. imperforata, depressa, crassa, ponderosa, irregulariter striata et undique granulata, albida, lineis spiralibus, undulatis, fuscis, fasciaeque unica castanea ad peripheriam ornata; spira vix elevata, distincte granulata, apice nuda, alba; anfr. 4½ planiusculi, sensim accrescentes, ultimus minutissime granulatus, medio subcarinatus, antice vix descendens; apertura obliqua, semielliptica, intus alba; perist. undique incrassato-reflexum, margine dextro subsinuoso, columellari intus obsolete plicato. — Diam. maj. 42, min. 35, alt. 22 mill. (Mus. Cuming.)

*Helix crassilabris* Pfr. in Proc. Zool. Soc. 1846. p. 111.

— — Phil. Icon. III. 17. Helix t. 10. f. 1.

— — Chemn. ed. II. Helix N. 299. t. 52. f. 3. 4.

Habitat in insula Cuba (Lindon).

692. *H. Cumingi* Pfr.

T. imperforata, depressa, obtuse angulata, apice obtuso violacea, oblique striata, nigricanti-rufa, epidermide rufa, superne maculis irregularibus, basi fasciis multis stramineo-cinereis ornata; anfr. 4, supremi planiusculi, ultimus subinflatus; columella recte descendens, late callosa; apertura lata, subquadrangularis; perist. late expansum, margine inferiore incrassato. — R. a. = 4 : 2. — Diam. maj. 38, min. 32, alt. 24 mill. (Coll. Nr. 411.)

*Helix Cumingi* Pfr. in Proc. Zool. Soc. 1842. p. 88.

— — Pfr. Symb. II. p. 26.

— — Phil. Icon. I. 3. p. 69. Helix t. 3. f. 1.

— — Chemn. ed. II. Helix N. 423. t. 70. f. 3. 4.

Habitat in insula Zebu Philippinarum (Cuming).

Obs. Similis et proxime affinis *H. zebuensi* (Nr. 773).

693. *H. orbiculata* Férussac.

T. imperforata, subsemiglobosa, solida, striata, virenti-fusca; spira convexa, obtusa; anfr.  $5\frac{1}{2}$  planiusculi, ultimus obsolete angulatus, ad peripheriam zonis 2 angustis, nigricanti-rufis circumdatus, basi planiusculus; apertura perobliqua, lunato-elliptica; perist. incrassatum, subreflexum, fusco-violaceum, marginibus callo junctis, basali late transverse dentato. — Diam. maj. 34, min. 29, alt. 46 mill. (Coll. Nr. 442.)

*Helix orbiculata* (Helicogena) Fér. pr. 86. Hist. t. 47. f. 4.

— — Lam. ed. Dh. 216. p. 131.

— — Chemn. ed. II. Helix N. 424. t. 70. f. 9. 10.

*Dentellaria orbiculata* Beck ind. p. 35.

β. Minor, absque cingulis: diam. 24, alt. 48 mill. (ex ic.)

*Helix orbiculata* var. Fér. hist. t. 47. f. 3.

*Dentellaria decipiens* Beck ind. p. 35.

Habitat in Guyana et Cayenne.

694. *H. phlotodes* Pfr.

T. imperforata, depressa, solida, sub epidermide corticina (strigis saturatoribus variegata) nitide nigricanti-rufa; spira subplanulata; sutura profunda; anfr.  $4\frac{1}{2}$  convexi; columella subrecta, perobliqua, subexcavata; apertura late lunaris, intus livida, nitida; perist. incrassatum, reflexum, fuscum. — R. a. = 3 : 5. — Diam. maj. 29, min. 25, alt.  $47\frac{1}{2}$  mill. (Mus. Cuming.)

*Helix phlotodes* Pfr. in Proc. Zool. Soc. 1842. p. 154.

Habitat in insula Zebu Philippinarum (Cuming).

695. *H. discolor* Férussac.

T. imperforata, depresso-globosa, solida, striata, obsolete granulata, pallide rufa; spira semiglobosa; anfr. 4, summi planiusculi, ultimus inflatus, angulatus, supra angulum fascia pallida ornatus, subtus saturatior, antice gibbus, subito deflexus; apertura irregulariter ovalis; perist. late incrassatum, subreflexum, marginibus callo junctis, supero dilatato, basali dente oblongo, calloso munito. — Diam. maj. 34, min. 28, alt. 20 mill. (Coll. Nr. 443.)

*Helix discolor* (Helicogena) Fér. pr. 79. Hist. t. 46. f. 3—6.

— — Lam. 35. p. 75. ed. Dh. p. 43.

— — Wood suppl. t. 7. f. 46.

— — Chemn. ed. II. Helix N. 47. t. 9. f. 11. 12.

*Dentellaria discolor* Beck ind. p. 35.

Habitat in Cayenne! Trinidad, Martinique (Fér.).

Obs. Forma saepe irregularis, testa a latere quasi compressa, diametro longiore aucta.

696. *H. Lima* Férussac.

T. imperforata, orbiculato-subconoidea, solida, griseo-fusca, granulis albis confertissimis exasperata; anfr. 4 —  $4\frac{1}{2}$  planulati, ultimus obsolete carinatus, antice gibbus, subito deflexus; apertura perobliqua, angusta, irregulariter lunaris; perist. incrassatum, marginibus callo tenui junctis, supero reflexo, basali late calloso, introrsum dilatato. — Diam. maj. 29, min. 24, alt.  $15\frac{1}{2}$  mill. (Coll. Nr. 444.)

*Helix lima* (Helicogena) Fér. pr. 81. Hist. t. 46. f. 1. 2.

— — Wood suppl. t. 7. f. 47.

— — Chemn. ed. II. Helix N. 29. p. 55. t. 7. f. 13. 14.

— *punctifera* Lam. 80. p. 87. ed. Dh. p. 65.

*Otala punctifera* Beck ind. p. 36.

β. Varietas?

*Helix lima* var. *notabilis* Fér. t. 46 A. f. 4. 5.

*Otala asperula* Beck ind. p. 36.

Habitat in insula Portorico, var. β Curaçao. (Beck.)

697. *H. incerta* Férussac.

T. imperforata, depresso-globosa, granulato-punctata, cinereo-albida, strigis obliquis et lineis concentricis plurimis fuscis, cinguloque 1 latiore nigricante ornata; anfr. 4 convexi, celeriter accrescentes, ultimus antice deflexus; apertura lunato-rotundata, intus nitide alba; perist. incrassatum, album, margine columellari introrsum acute dilatato. — Diam. maj. 22, min. 18, alt. 15 mill. (Coll. Nr. 445.)

*Helix incerta* (Helicostyla) Fér. hist. t. 105. f. 2.

— — Pfr. Symb. I. p. 37.

— — Chemn. ed. II. Helix N. 425. t. 74. f. 3. 4.

— *striolata* Guild. in Mus. Britt. 1

— *akutacea* Ziegl. Mus.

— *velutinoides* Ant. Verz. p. 36. (juv.)

*Otala incerta* Beck ind. p. 36.

*Thelidomus striolata* Swains. Malac. p. 330.

Habitat in insula St. Thomas.

Obs. Variat anfractu ultimo carinato.

698. *H. sarcostoma* Webb et Berthelot.

T. imperforata, subglobosa, solidula, obsolete striata et granulato-punctulata, fusca, castaneo fasciata et pallide marmorata; anfr. 5 vix convexiusculi, ultimus antice deflexus; apertura perobliqua, lunato-ovalis; perist. amplum, reflexum, subrevolutum, nitidum, carneum, marginibus approximatis, callo crassiusculo

junctis, basali saepe subdentato. — Diam. maj. 28, min. 22, alt. 18 mill. (Coll. Nr. 446.)

*Helix sarcostoma* Webb et Berth. syn. p. 342.

— — *Orb. canar.* p. 54. t. 1. f. 43. 44.

— — *Chemn. ed. II.* *Helix* N. 444. t. 70. f. 5. 6.

Habitat in saxosis insularum Canariensium Fuerteventurae et Lancerottae.

699. *H. Saulcyi* Orbigny.

T. imperforata, globoso-depressa, oblique rugulosa, undique minute malleata, albida, fusco-maculata, fasciis 5 angustis castaneis ornata; anfr. 5 convexiusculi, ultimus antice subito deflexus; apertura perobliqua, coarctata, lunato-ovalis; perist. album vel roseum, marginibus subparallelis, dextro late expanso, reflexiusculo, columellari dilatato, introrsum late tuberculato. — Diam. maj. 26, min. 24, alt. 47 mill. (Coll. Nr. 447.)

*Helix Saulcyi* *Orb. canar.* p. 56. t. 3. f. 9—11.

— — *Chemn. ed. II.* *Helix* N. 445. t. 70. f. 7. 8.

Habitat in Canaria majore, Fuerteventura.

700. *H. paradoxa* Pfr.

T. imperforata, globoso-depressa, nitida, concentrice subtilissime et confertissime striata, virescenti-flava, apice nigro-violacea, area basali saturate castanea; anfr. 5 planiusculi, ultimus irregularis, lateraliter subcompressus, prope aperturam tumidus; apertura lunato-elliptica; perist. album, acutum, late reflexum, margine supero intus callo castaneo munito, basali in tuberculum horizontale incrassato. — Diam. maj. 25, min. 20, alt. 44 mill. (Mus. Cuming.)

*Helix paradoxa* Pfr. in *Proc. Zool. Soc.* 1845. p. 39.

— — *Phil. Icon.* I. 7. p. 153. *Helix* t. 8. f. 7.

β. Albida, peristomate et apertura intus flavis. (Coll. Nr. 448.)

*Helix paradoxa* *Chemn. ed. II.* *Helix* N. 420. t. 74. f. 4. 2.

Habitat in provincia Albaiensi insulae Luzon (Cuming).

Obs. Aliquantulum affinis *H. Theraitae*. (Conf. N. 784.)

701. *H. constricta* Pfr.

T. imperforata, semiglobosa, nitida, concentrice minutissime striata, flavo-albida, fasciis 2 fuscis, interruptis ad peripheriam ornata; anfr. 4½ convexiusculi, ultimus basi subplanatus, antice subito descendens, constrictus; apertura intus nitide flava, lunaris; perist. acutum, album, late reflexum, margine basali subin-

crassato; area columellaris callosa, subexcavata. — Diam. maj. 23, min. 19, alt. 13 mill. (Coll. Nr. 449.)

*Helix constricta* Pfr. in Proc. Zool. Soc. 1845. p. 39.

— — Chemn. ed. II. Helix N. 443. t. 69. f. 21. 22.

Habitat in insula Mindoro Philippinarum (Cuming).

#### 702. *H. alauda* Férussac.

T. imperforata, depresso-globosa, solidiuscula, nitida, albido-grisea, fulvo-coerulescente zonata et marmorata; anfr. 5 convexi, ultimus antice subito deflexus, basi circa columellam excavatus; apertura lunato-subcircularis, intus livido-fulva; perist. simplex (plerumque roseum), margine supero expanso, columellari dilatato, oblique interdum dentato. — Diam. maj. 22, min. 18, alt. 13 mill. (Coll. Nr. 420.)

*Helix alauda* (Helicostyla) Fér. pr. 349. Hist. t. 103. f. 2. 3.

— — Lam. 55. p. 80. ed. Dh. p. 51.

— — Wood suppl. t. 7. f. 56.

— — Orb. moll. cub. I. p. 149. t. 9. f. 8—10.

— — Chemn. ed. II. Helix N. 421. t. 74. f. 12.

— *purpuragula* Lea obs. I. p. 163. t. 19. f. 60.

*Helicostyla alauda* et *purpuragula* Beck ind. p. 36.

β. Alba, fasciis 2 latis castaneis ornata:

*Helix alauda* var. Chemn. l. c. t. 74. f. 11.

γ. Albida, cingulis 2 nigro-castaneis ornata, cingulo superiore lato. castaneo-reticulato, perist. roseo vel albo.

*Helix alauda* var. Fér. hist. t. 104. f. 4. 5.

— — var. *bizonalis* Grat. Bord. XI. p. 412. t. 1. f. 7.

— — var. Chemn. l. c. t. 74. f. 9. 10.

*Helicostyla pudibunda* Beck ind. p. 36. (Male citatur Fér. t. 104. f. 1.)

δ. Minor: diam. maj. 18, min. 15½, alt. 10 mill.

*Helix alauda* var. *min.* Chemn. l. c. t. 74. f. 7. 8.

Habitat in insula Cuba, prope San Yago de Cuba.

#### 703. *H. Adansoni* Webb et Berthelot.

T. imperforata, depresso-globosa, solida, virenti-fulva, minutissime granulata; anfr. 5 convexiusculi, ultimus convexus, angulatus, antice inflatus, ad aperturam deflexus, constrictus; apertura subtriangulato-lunaris, intus lactea; perist. incrassatum, margine supero breviter reflexo, infero recto, late appresso, ad columellam subtuberculato. — Diam. maj. 25½, min. 21, alt. 16 mill. (Coll. Nr. 424.)

*Helix Adansoni* Webb et Berth. syn. p. 343.

— — Chemn. ed. II. Helix N. 446. t. 70. f. 11. 12.

*Helix Pouchet* Adans. Seneg. p. 40. t. 4. f. 2.

— — (*Helicogena*) Fér. pr. 73. Hist. t. 42. p. 3.

— — Lam. ed. Dh. 138. p. 92.

— — Orb. canar. p. 56.

*Otala pouchet* Beck ind. p. 36.

Habitat in provincia Senegalensi Africae.

#### 704. *H. consobrina* Férussac.

T. imperforata, globoso-depressa, reticulato-malleata, fusco et flavido marmorata et obsolete fasciata; anfr.  $4\frac{1}{2}$  convexiusculi, ultimus magnus, ad aperturam constrictus; apertura subhorizontalis, transverse auriformis, intus nitida, coerulescens; perist. late expansum, reflexum, roseum, marginibus subparallelis, basali dilatato, late tuberculato. — Diam. maj. 23, min. 19, alt. 13 mill. (Coll. Nr. 422.)

*Helix consobrina* (*Helicogena*) Fér. pr. 72. Hist. t. 42. f. 2.

— — Webb et Berth. syn. p. 344.

— — Orb. canar. p. 54.

— *Pouchet* var. Lam. ed. Dh. p. 93.

*Otala consobrina* Beck ind. p. 36.

Habitat in insulis Canariis, Teneriffa (prope Sta. Cruz: Webb).

#### 705. *H. modesta* Férussac.

T. imperforata, depresso-globosa, tenuis, minute reticulato-malleata, unicolor virenti-lutea; spira subelevata; anfr.  $4\frac{1}{2}$  vix convexiusculi, ultimus antice subito deflexus, basi subgibbus; apertura perobliqua, lunato-ovalis, intus alba; perist. late expansum, reflexiusculum, album vel roseum, marginibus subconniventibus, basali strictiusculo, dilatato, planato. — Diam. maj. 18, min. 15, alt. 11 mill. (Coll. Nr. 423.)

*Helix modesta* (*Helicogena*) Fér. pr. 74. Hist. t. 42. f. 4.

— — Pfr. Symb. III. p. 72.

— — Chemn. ed. II. *Helix* N. 449. t. 70. f. 1. 2.

*Otala modesta* Beck ind. p. 36.

Habitat in insulis Canariis.

#### 706. *H. Gaudryi* Orbigny.

T. imperforata, depresso-globosa, striata, obsolete malleata, superne fusco-violacea, maculis violaceis in zonas 4 dispositis vel maculis albidis ornata; spira brevis, obtusa; anfr.  $4\frac{1}{2}$  convexiusculi, ultimus antice subito deflexus; apertura perobliqua, lunato-oblonga; perist. subincrassatum, album, marginibus subparallelis,



supero expanso, basali strictiusculo, dilatato, appresso. — Diam. maj. 20, min. 17, alt.  $11\frac{1}{2}$  mill. (Coll. Nr. 424.)

*Helix Gaudryi* Orb. canar. p. 57. t. 3. f. 15—17. \*)

— — Chemn. ed. II. Helix N. 417. t. 74. f. 15. 16.

Habitat in insulis Canariis, Gomera.

707. *H. advena* Webb et Berthelot.

T. imperforata, depresso-globosa, tenuis, creberrime undulato-striata, pallide cornea, fascia lata fusca, saepe albo-maculata supra peripheriam, 2 angustioribus obsoletis subtus notata; anfr. 4 convexiusculi, ultimus antice sensim descendens; apertura lunato-subcircularis; perist. simplex, margine supero subexpanso, columellari dilatato-appresso. — Diam. maj. 17, min.  $14\frac{1}{2}$ , alt.  $11\frac{1}{2}$  mill. (Coll. Nr. 425.)

*Helix advena* Webb et Berth. syn. p. 324.

— — Orb. canar. p. 58. t. 4. f. 18—20.

— — Chemn. ed. II. Helix N. 418. t. 70. f. 13. 14.

*Pomatia advena* Beck ind. p. 44.

Habitat in insulis Canariis, Azoris, St. Vincent.

708. *H. amoena* Pfr.

T. imperforata, globoso-depressa, lineis longitudinalibus et spiralibus sub lente decussata, albida, fascia unica spadicea supra peripheriam, lineaeque suturali rufa ornata; anfr. 4 vix convexiusculi, ultimus obsolete angulatus, antice dellexus, basi parum convexus; apertura transverse lunato-oblonga, intus concolor; perist. simplex, marginibus subparallelis, dextro expanso, basali antice reflexo, ad columellam dilatato, appresse reflexo. — Diam. maj. 18, min. 15, alt.  $10\frac{1}{2}$  mill. (Coll. Nr. 426.)

*Helix amoena* Pfr. in Proc. Zool. Soc. 1843. p. 65.

— — Chemn. ed. II. Helix N. 412. t. 69. f. 19. 20.

Habitat in insula Luzon (Cuming).

Obs. Affinis varietatibus ecarinatis H. Hügeli.

709. *H. crubescens* Lowe.

T. imperforata, depresso-globosa, ruguloso-striata et mal-leata, roseo-fulva, saepe fasciis interruptis ornata; spira vix elevata, obtusa; anfr.  $4\frac{1}{2}$  convexiusculi, ultimus magnus, antice vix descendens; apertura subcircularis, intus concolor, columellareum, intus subcircularis, intus concolor.

mellari subplanulato. — Diam. maj. 43, min. 44, alt. 9 mill. (Coll. Nr. 427. Spec. Loweana.)

*Helix erubescens* Lowe Faun. Mader. p. 40. t. 5. f. 3.

— — Chemn. ed. II. Helix N. 422. t. 71. f. 5. 6.

Habitat in insulae Maderae sylvis.

§. 54.

710. *H. Codringtoni* Gray.

T. imperforata, subdepressa, solida, striata, fusco-corneo et albido irregulariter strigata et marmorata; spira depresso-conoidea; anfr. 5 convexiusculi, ultimus linea obsoleta alba cingulatus; apertura perobliqua, semiovalis, intus nitidissima; perist. acutum, intus albo-labiatum, margine columellari breviter arcuato, basali late dilatato, prope columellam incrassato. — Diam. maj. 45, min. 38, alt. 25 mill. (Coll. Nr. 428.)

*Helix Codringtoni* Gray in Proc. Zool. Soc. 1834. p. 67.

— — Müll. synops. p. 8.

— — Chemn. ed. II. Helix N. 27. p. 53. t. 7. f. 4. 2.

— Ferussaci Crist. et Jan Mant. p. 4. (Nec Less.)

— *spiri plana* Desh. Expéd. de Morée p. 463.

— — Lam. ed. Dh. 143. p. 95.

— — Rossm. VI. p. 39. f. 369 a.

— *vermiculata* var. Cantr. Malac. p. 406.

*Helicogena Codringtonii* Beck ind. p. 37.

β. Major, depressior, pallide carnea, fasciis obsoletis fuscis ornata: diam. maj. 49, min. 39, alt. 25 mill. (Spec.)

γ. Flavescens, fusco-variegata et fasciis 4 nigricantibus interruptis vel maculosis ornata, plerumque minor:

*Helix spiri plana* var. Rossm. VI. f. 369 b.

— — Audouin p. 462. Descr. de l'Eg. t. 2. f. 4.

δ. Minor, fasciis 4 fuscis interruptis:

*Helix spiri plana* Fér. hist. t. 38. f. 3.

Habitat in Graecia (prope Navarin), Morea et in insulis graecis.

Obs. *H. spiri plana* var. Fér. t. 38. f. 4—6 neque ad nostram speciem, neque ad veram *H. spiri planam* Oliv. (cf. Nr. 954.) pertinere, sed forma globosa et praecipue peristomate late expanso et reflexo distincta esse videtur.

711. *H. Ehrenbergi* Roth. †

T. imperforata, globoso-depressa, transverse dilatata, calcarata, crassa, solida; anfr. 4½, ultimus ventricosus; apertura angulosa, latior quam alta; perist. rectum, superstructum, margine columellari stricto, calloso, gibbo, albo; faux fusca. — Diam. 48, alt. 43 lin. (R.)

*Helix Ehrenbergi* Roth diss. p. 42. t. 4. f. 45.

*Helix irregularis* var. *Fér.* t. 28 B. f. 8. 9?

*Descript. de l'Egypte* Moll. t. 2. f. 8 juv.?

Habitat ad lacum Mareotidem, ubi specimen unicum exsiccatum legit Cl. Roth.

#### 712. *H. lactea* Müller.

T. imperforata, globoso-depressa, transverse dilatata, albida vel lutescens, unicolor vel rufo-fasciata, lacteo-atomata; anfr. 4½ — 5, summi planulati, ultimus convexus, antice deflexus; apertura perobliqua, late lunaris; perist. incrassatum, obtusum, sublabiatum, reflexum, margine columellari stricto, calloso, gibbo; faux et peristoma castanea. — Diam. maj. 39, min. 29, alt. 23 mill. (Coll. Nr. 429. Spec. maj.) — Diam. maj. 29, min. 23, alt. 47 mill. (Spec. min.)

*Helix lactea* Müll. verm. II. p. 49. N. 249.

— — (*Helicogena*) *Fér.* pr. 78. Hist. t. 39 A. f. 7. 8. (c. anim. t. 45. f. 4—10.

— — *Lam.* 36. p. 75. ed. Dh. p. 43.

— — *Mich.* compl. p. 49. t. 44. f. 5. 6.

— — *Rossm.* V. p. 7. f. 302. IX. p. 4. f. 545—554.

— — *Wagner* Reise, Atlas t. 42. f. 9—44.

— — *Morelet* moll. du Port. p. 68.

— *faux nigra* Chemn. IX. P. 2. p. 427. t. 430. f. 4164.

*Otala atomaria* Schumach. p. 494.

*Helicogena lactea* Beck ind. p. 37.

*Lister* t. 54. f. 49. t. 95. f. 96.

β. Spira elatiore:

*Helix hispanica* Mich., Terv. p. 46. t. 4. f. 7. 8.

γ. Peristomate pallido: diam. 40—42 lin. (Müll.)

*Helix punctata* Müll. verm. II. p. 24. N. 220.

— *punctatissima* Jeniss. in collect.

Habitat in Gallia meridionali, Hispania, Lusitania, Italia et Africa boreali, nec non in Teneriffa (Webb et Berth.), Montevideo (Orb. syn. p. 2.).

#### 713. *H. irrorata* Say. †

T. imperforata, depresso-subglobosa, pallide rufa, punctis numerosissimis albis et 4 fasciis obscurioribus obsoletis ornata; anfr. 5 convexi, supremi striati; spira convexa, depressa; apertura intus livescens; perist. simplex, reflexum, margine columellari calloso. — Diam. 4½, alt. ¾ poll. (S.)

*Helix irrorata* Say in Philad. journ. II. p. 370.

Habitat in Pennsylvania.

Obs. «Affinis *H. lacteae*, spira magis elata, callo columellari non angulato, apertura minus ampla.» (S.) — Nihilominus specimen fortuito introductum *H. lacteae* esse videtur; scriptores recentiores americani speciei mentionem non faciunt.

714. *Hel. hispanica* Partsch. †

T. imperforata, globoso-depressa, fusculo-albida, fusculo-variegata albidoque maculata, castaneo-5-fasciata; anfr. 5 celeriter accrescentes, planulati; apertura perobliqua, late rotundato-lunaris; perist. hepaticum, sublabiatum, margine exteriori reflexiusculo, interiore calloso. — Diam. maj. 30, min. 25, alt. 45 mill. (ex ic. Rossm.)

*Helix hispanica* Partsch in Mus. Caes. Vindob.

— — Rossm. VII. p. 45. f. 460.

— *speciosa et balearica* Zgl. Mus.

β. Minor, perist. albo: diam. maj. 24, min. 18, alt. 42½ mill.

*Helix hispanica* var. Rossm. X. p. 44. f. 594.

Habitat in Hispania, var. β in Pyrenaeis.

715. *Hel. Jäilleti* Terver.

T. imperforata, subgloboso-depressa, albida, sordide fusco-5-fasciata, substriata, solida; spira convexa; anfr. 5½ sensim accrescentes, summi plani, ultimus antice valde deflexus; apertura subovato-lunaris, transversalis, perobliqua, fauce et columella castaneis; perist. simplex, intus sublabiatum, obtusum, margine columellari strictiore, calloso, gibbo. — Diam. maj. 34, min. 25, alt. 46 mill. (Coll. Nr. 430.)

*Helix Jäilleti* Terver cat. p. 47. t. 2. f. 3. 4.

— *Wagneri* Rossm. IX. p. 3. f. 554.

— — Rossm. in Wagn. Reise p. 256. Atlas t. 42. f. 42.

Habitat prope Mascara Algeriae (Wagner).

716. *Hel. vermiculata* Müller.

T. imperforata, globoso-depressa, lutescens, lineolis punctisque incrassatis albis, fasciisque rufis (superis saepissime taeniatis) multimode ludens; anfr. 5 convexiusculi, ultimus antice deflexus; apertura perobliqua, late lunaris; perist. album, sublabiatum, late reflexum, margine columellari strictiusculo, calloso. — Diam. maj. 35, min. 27, alt. 24 mill. (Coll. Nr. 434.)

*Helix vermiculata* Müll. verm. II. p. 20. N. 249.

— — Chemn. IX. P. 2. p. 420. t. 429. f. 4448.

— — Drap. p. 96. t. 6. f. 7. 8.

— — (Helicogena) Fér. pr. 59. Hist. t. 37. t. 39 A. f. 5. 6. (c. anim.)

— — Lam. 40. p. 68. ed. Dh. p. 34.

— — Rossm. V. p. 6. f. 304. VIII. p. 28. f. 499. 500.

— — Wagner Algier, Atlas t. 42. f. 2.

— — Chemn. ed. II. Helix t. 4. f. 5. 6.

— *lactea* Hartm. in Neue Alpina I. p. 244.

*Descr. de l'Egypte* t. 2. f. 51 (*H. spiriplana* var.? Aud.)

*Gualt.* t. 1. f. G.

*Knorr* Vergn. II. p. 27. t. 13. f. 4.

β. Tenuis, fragilis:

*Helix thalassina* Porro, Villa disp. syst. p. 55.

γ. *Scalaris*: Fér. t. 27 A. f. 11.

Habitat in Gallia meridionali, Italia, Sicilia, Hispania, Illyria, Albania; var. β in scopulis maritimis littorum Sardiniae.

#### 717. *H. constantina* Forbes.

T. imperforata, subglobosa, striatula, nitida, albida, fasciis 5. interdum obsoletis, fuscis vel rufis ornata; anfr. 5 convexi, ultimus antice deflexus; apertura rotundato-lunaris; perist. simplex, album, sublabiatus, late expansum, margine columellari strictiusculo, subdentato. — Diam. maj. 27, min. 23, alt. 49—20 mill. (Coll. Nr. 432.)

*Helix constantina* Forb. in Jard. Ann. II. 1838.

— — *Chemn.* ed. II. *Helix* N. 20. p. XV. t. 5. f. 9—13

— *Cirtae* Terv. cat. p. 11. t. 1. f. 1.

— — *Küster* in *Chemn.* ed. II. *Helix* p. 46.

— *vermiculata* var. *Cirtae* Rossm. X. p. 12. f. 592.

— — var. *Wagn.* Alg. Atl. t. 12. f. 1.

Habitat in Africa boreali: Bona, Guelma, Constantine, Bugia.

Obs. Differt ab *H. vermiculata* non solum magnitudine et forma globulosa sed praecipue structura testae homogenea, punctis albis in *H. vermiculata* in ipsa testae substantia incrassatis, nec unquam deficientibus, in *H. constantina* nunquam existentibus. Conf. Kuster l. c.

#### 718. *H. Dupotetiana* Terver.

T. imperforata, subglobosa, albida, rugulis et lineis spiralibus subopaca, fusco-5-fasciata vel concolor; anfr. 5, supremi planulati, 2 ultimi convexi, ultimus antice subito valde deflexus; apertura perobliqua, late lunaris; perist. fusculeto-albidum, reflexum, acutum, sublabiatus, margine columellari strictiore, gibbo, fauceque castaneis. — Diam. maj. 34, min. 26, alt. 20 mill. (Coll. Nr. 433.)

*Helix Dupotetiana* Terv. cat. p. 13. t. 1. f. 4—6.

— — *Rossm.* X. p. 2. f. 553.

— — *Wagn.* Alg. Atl. t. 12. f. 7.

β. Minor, alba: diam. maj. 26, min. 24, alt. 14 mill. (Spec.)

*Helix zaffarina* Terv. p. 12. t. 1. f. 2. 3.

— *Dupotetiana* var. *Rossm.* IX. f. 552.

— — var. *Wagn.* Alg. Atl. t. 12. f. 6.

*Helicogena zapharina* Beck ind. p. 39.

Habitat in Africa boreali: Oran, Mascara; var. β circa Oran, Tremecen (Terv.), et in insulis Zaffarinis (Berthelot).

719. *H. xanthodon* Anton.

*T. imperforata*, subglobosa, depressula, alba, solida; spira convexa; anfr. 5 convexiusculi, sensim accrescentes; apertura rotundata, perobliqua, minuscula; perist. reflexum, albo-labiatum, margine columellari calloso, unidentato, fauceque castaneis. — Diam. maj. 22, min. 49, alt. 45 mill.

*Helix xanthodon* Ant. in litt. ad Rossm.

— — Rossm. IX. p. 6. f. 563.

— — Wagn. Alg. Atl. t. 12. f. 8.

Habitat in Africa boreali, circa Oran.

Obs. Differt ab *H. Dupotetianae* var. *zaffarina* anfractibus lentius accrescentibus et apertura parvula.

720. *H. arabica* Terver.

*T. imperforata*, globosa, albida, solida, minutissime striata, fasciis fuscis, interruptis, albo-punctatis ornata; anfr. 5 planiusculi, lente accrescentes, ultimus antice inflatus, subito deflexus; apertura angustata, intus castanea; perist. album, labiatum, marginibus subparallelis, dextro expanso, basali dilatato, gibbo, unidentato. — Diam. maj. 27, min. 22, alt. 17 mill. (Coll. Nr. 434.)

*Helix arabica* Terv. cat. p. 44. t. 2. f. 1. 2.

— — Rossm. in Wagn. Alg. Atl. t. 12. f. 3.

Habitat in monte Atlas: Beni-ou-Assan.

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721. *H. atrolabiata* Krynicki.

*T. imperforata*, depresso-globosa, solida, rugoso-striata, epidermide sordide flavescens induta, nigro-trifasciata; spira exserta, apice obtusa; anfr. 5½ convexiusculi, ultimus antice valde deflexus; apertura transversim dilatata, lunaris; perist. late expansum, intus atro-brunnescens, marginibus callo nigro, introrsum diffuso junctis; basali reflexo, lato, plano, medio subincrassato. — Diam. maj. 40, min. 33, alt. 22 mill. (Coll. Nr. 435.)

*Helix atrolabiata* Kryn. Bull. Mosc. VI. p. 425. t. 9. IX. p. 157.

— — Eichw. Fauna caspio-caucas. p. 197. t. 38. f. 4. 5.

— *sylvatica* var. *insignis* Fér. in Bull. zool. 1835. p. 24.

♂. Fasciis oblitteratis.

γ. Unicolor fulvescens, labro et fauce albis. (Mus. Cuming.)

Habitat in Caucaso, circa Kasan.

722. *H. vindobonensis* C. Pfe.

*T. imperforata*, subglobosa, costulato-striata, luteo-alba vel lutea, 5-fasciata; anfr. 5 convexiusculi, ultimus antice breviter deflexus; apertura late subangulato-lunaris; perist. late expansum,

hepaticum, marginibus approximatis, columellari strictiusculo. albo-labiato, basi replicatim adnato. — Diam. maj. 24, min. 21, alt. 47 mill. (Coll. Nr. 436.)

*Helix vindobonensis* C. Pfr. III. p. 45. t. 4. f. 6. 7.

— *sylvatica* var. *vindob.* Fér. pr. 54. Hist. t. 32 A. f. 6. 7

— — var. *Lam.* ed. Dh. p. 56.

— *mutabilis* Hartm. Gast. I. p. 243.

— — var. *montana* Sturm Fauna VI. 6. i. k. l.

— *austriaca* Mühlf. Mus.

— — Rossm. I. p. 60. f. 7. VIII. p. 27. f. 495.

— *arvensis* Krym. Bull. Mosc. IX. p. 459.

*Cepaea vindobonensis* Held in Isis 1837. p. 940.

β. Minor, globosa:

*Helix sylvatica* var. *alpicola* Fér. t. 30. f. 5. t. 32 A. f. 5 ?

— *austriaca* var. *Rossm.* VIII. f. 495 e. (Spec. Dresd.)

Habitat in Austria (circa Vindobonam), Styria («im Mürzthal»), provincia littorali (prope Görz!), Carniolia (Schmidt), in Saxonia (Dresdae: Rm.), Silesia (Scholtz), Albania.

Obs. Variat spira magis minusve elata, fasciis nonnullis vel omnibus obsoletis vel confluentibus (in Albania).

### 723. *H. nemoralis* Linn.

T. imperforata, subglobosa, striata, fasciata vel concolor; anfr. 5 convexiusculi, ultimus antice descendens; apertura late angulato-lunaris; perist. reflexum, labiatum, margine dextro arcuato, columellari illum superante, strictiusculo, dilatato, calloso; faux et perist. fusca vel nigricantia. — Diam. maj. 25, min. 21, alt. 45 mill. (Coll. Nr. 437.)

*Helix nemoralis* L. syst. ed. X. p. 773. ed. XII. p. 1247.

— — Chemn. IX. f. 496—98.

— — Drap. p. 94. t. 6. f. 3—5.

— — (Helicogena) Fér. pr. 56. Hist. t. 32 A. f. 2. t. 33 t. 34. t. 39 A. f. 3. 4. (c. anim.)

— — Lam. 58. p. 84. ed. Dh. p. 53.

— — Sturm Fauna VI. 2. 6.

— — C. Pfr. I. p. 27. t. 2. f. 40. 44. III. t. 2. et t. 3

— — Rossm. I. p. 57. f. 5. V. p. 6. f. 298. VIII. p. 26 f. 494.

— — Guér. Iconogr. Moll. t. 6. f. 7.

— — Gray Man. p. 432. t. 3. f. 23.

— — Morelet moll. du Port. p. 68.

— *cincla* et *quinquefasciata* Shepp. Linn. tr. XIV. p. 463.

— *turthorum* Stewart el. nat. hist. II. 413. (Gray.)

— *etrusca* Zgl. Mus.

— *mutabilis* β Hartm. Neue Alpina I. p. 242.

*Tachea nemoralis* Leach Moll. p. 84.

*Tachea nemoralis* Hartm. Gast. I. p. 189. t. 68. 69.

*Helicogena nemoralis* Risso IV. p. 60.

— — Küst. Icon. Moll. et Test. P. I. Fasc. II. t. 2. f. 1—9.

*Cepaea nemoralis* Held in Isis 1837. p. 910.

β. Peristomate albo vel roseo, plerumque minor:

*Helix hortensis* Müll. verm. II. p. 57. N. 247.

— — Chemn. IX. f. 1199—1201.

— — Drap. p. 95. t. 6. f. 6.

— — (Helicogena) Fér. pr. 57. Hist. t. 35. t. 36. t. 39 B.  
f. 2. (c. anim.)

— — Lam. 59. p. 81. ed. Dh. p. 54.

— — C. Pfr. I. p. 29. t. 2. f. 42. 43. III. t. 2. 3. 4.

— — Sturm Fauna VI. 2. 7.

— — Rossm. I. p. 59. f. 6. V. p. 6. f. 299. 300.

— — Gray Man. p. 130. t. 3. f. 24.

— — Gould report p. 172.

— *hybrida* Poir. coq. fl. p. 71.

— — Gray Man. p. 132.

— *mutabilis* a Hartm. l. c. p. 242.

— *subglobosa* Binn. in Bost. journ. I. p. 485. t. 17.

*Tachea hortensis* Leach Moll. p. 85.

— — Hartm. Gast. I. p. 24. t. 9. 10.

*Helicogena hortensis* et *hybrida* Beck ind. p. 39.

*Cepaea hortensis* Held in Isis 1837. p. 910.

γ. Major:

*Helix lucifuga* Zgl. Mus.

— — Hartm. Gast. I. p. 24. t. 70.

— *nemoralis* (Cryptomphalus) ~~var.~~ *magica* Charp. cat. moll.  
Suisse p. 7. t. 7. f. 8.

δ. Diaphana, citrina, perist. rubro-violaceo:

*Helix libellula* Risso IV. p. 62. t. 4. f. 21.

ε. Monstrosa sinistrorsa:

Chemn. IX. t. 109. f. 924. — ed. II. Helix t. 12. f. 3. 4.

Fér. hist. t. 34. f. 8. 9. t. 36. f. 10.

ζ. Scleris:

Chemn. IX. t. 128. f. 1139. n. 2 et 3?

Fér. t. 28 B. f. 10. t. 32 A. f. 2. t. 36. f. 11. 12.

C. Pfr. III. t. 2. f. 6. 7.

Habitat in Europa media et boreali, nec non in America boreali.

Var. insignis, fasciis pallidis, fusco-punctatis (Fér. t. 33. f. 4.)  
praesertim in Carniolia legitur.

Obs. H. nemoralis et hortensis specificè distingui non possunt, cum prae-  
ter colorem peristomatis et magnitudinem characteres nulli erui possint. (Conf.  
Voith in Zeitschr. f. Mal. 1845. Jun. p. 92.) Species valde variabilis quoad co-  
lorem sulphureum, citrinum, roseum, lateritium, fuscum, et quoad fasciarum  
numerus et dispositionem. (Conf. Martens in Act. Acad. Leop. Carol. 1882. VIII.)



724. *H. sylvatica* Draparnaud.

T. imperforata, depresso-globosa, albido-lutescens, striata, 5-fasciata: fasciis plerumque maculose interruptis vel laceris; anfr. 5 convexiusculi, ultimus antice vix descendens; apertura lunato-rotundata; perist. vix patulum, rectum, labiatum, margine columellari callo introrsum vix dilatato munito, maculaque umbilicali plerumque violaceo-rufis. — Diam. maj. 24, min. 21, alt. 15 mill. (Coll. Nr. 438.)

*Helix sylvatica* Drap. p. 93. t. 6. f. 1. 2.

— — (Helicogena) Fér. pr. 54. Hist. t. 30. f. 4. 6—8.  
t. 32 A. f. 8.

— — Lam. 60. p. 82. ed. Dh. p. 55.

— — Rossm. VIII. p. 27. f. 496.

— — Gray Man. p. 11. f. 1.

— *signata* a Fér. hist. t. 32 A. f. 3. 4?

— *mutabilis* γ Hartm. Neue Alpina I. p. 212.

— *memoralis* var. Desh. in Lam. p. 55.

*Tachea sylvatica* Hartm. Gast. I. p. 214. t. 82.

*Helicogena sylvatica* Beck ind. p. 38.

*Cepaea sylvatica* Held in Isis 1837. p. 910.

β. Minor: diam. maj. 18, min. 16, alt. 12½ mill. (Spec.)

γ. *Scalaris*? Fér. t. 32. f. 7.

Habitat in Gallia et Helvetia, var. β in Sabaudia.

Obs. Ab *H. nemoralis* et *vindobonensis* jam primo aspectu differt peristomate non reflexo.

725. *H. montana* Studer.

T. imperforata, conico-globosa, leviter striata, nitidula, albida, fasciis 5 interruptis, fuscis ornata; spira conica, obtusiuscula; anfr. 5 convexi, ultimus antice deflexus; apertura rotundato-lunaris; perist. rectum, intus labiatum, marginibus subparallelis. columellari replicatim adnato, callo intus subabrupto, dentem simulante. — Diam. maj. 24, min. 19, alt. 15 mill. (Coll. Nr. 439.)

*Helix montana* Stud. in Coxe travels.

— — Hartm. in Sturm Fauna VI. 6. 5.

— *lucorum* Razum. hist. nat. du Jorat I. 274.

— *sylvatica* Fér. hist. t. 30. f. 9.

— — Wood suppl. t. 7. f. 5.

*Tachea montana* Hartm. Gast. I. p. 212. t. 81.

Habitat in Helvetia.

Obs. Differt ab *H. sylvatica* testa magis conica, anfractibus convexioribus, sutura magis impressa et callo dentiformi marginis basalis peristomatibus.

726. *H. alabastrites* Michaud.

T. imperforata, depresso-globosa, subtiliter striata, nitida, alba, concolor vel fasciis 5 pallide fuscis ornata; spira convexa.

obtusa; anfr. 5 planulati, lente accrescentes, ultimus compressus, obsolete angulatus, antice subito valde deflexus; apertura fere horizontalis, angusta, lunato-ovalis; perist. intus vix labiatum, marginibus approximatis, callo tenui junctis, dextro arcuato, expanso, columellari strictiusculo, introrsum vix dilatato. — Diam. maj. 24, min. 19½, alt. 4½ mill. (Coll. Nr. 440.)

*Helix alabastrites et soluta* Mich. cat. Moll. d'Alger.

— — Terv. cat. p. 18. t. 4. f. 1—3.

— — Rossm. IX. p. 4. f. 557—59.

— — Wagn. Alg. Atl. t. 12. f. 4.

— — Chemn. ed. II. Helix N. 24. p. XV et 47. t. 6. f. 4. 5.

*Helicogena alabastrites* Beck ind. p. 39.

Habitat in Africa boreali: Algeria, Oran etc.

Obs. Variat spira elatiore: haec 5fasciata est *H. soluta* Mich. — Var. albam in Sicilia lectam esse affirmat Cl. Terver.

727. *H. hieroglyphicula* Michaud.

T. imperforata, depressa, solida, nitida, albido-carnea, fusco-atomata, fasciis 4—5 nigro-fuscis, superioribus plerumque maculose interruptis ornata; spira convexa, obtusa; anfr. 5 plani, summi carinati, ultimus antice valde deflexus; apertura ovato-lunaris, subhorizontalis, intus castanea; perist. obtusatum, marginibus subparallelis, callo lato, nitido, castaneo junctis, dextro leviter arcuato, sublabiato, columellari strictiore, calloso, gibbo, dentato fauceque castaneis. — Diam. maj. 24, min. 24, alt. 13 mill. (Coll. Nr. 444.)

*Helix hieroglyphicula* Mich. cat. moll. d'Alger.

— — Terv. cat. p. 17. t. 4. f. 4—6.

— — Rossm. IX. p. 3. f. 555, 56.

— — Wagn. Alg. Atl. t. 12. f. 5.

Habitat in Africa boreali: Algeria, Oran etc.

728. *H. marmorata* Férussac.

T. imperforata, globoso-depressa, lutescenti-cornea, interrupte 5-fasciata, fuscule albidoque marmorata; anfr. 5 vix convexiusculi, ultimus antice deflexus; apertura late lunaris; perist. simplex, intus roseum, marginibus conniventibus, dextro patulo, columellari appresso, subdilatato, laevigato. — Diam. maj. 20, min. 17, alt. 14 mill. (Coll. Nr. 442.)

*Helix marmorata* (*Helicogena*) Fér. pr. 63. Hist. t. 40. f. 8.

— — Rossm. IV. p. 10. f. 243.

— — Chemn. ed. II. Helix N. 40. t. 9. f. 1. 2.

Habitat prope Gibraltar.

729. *H. melitensis* Férussac.

T. imperforata, depresso-globosa, glabra, albida, unicolor vel maculis pallide fuscis, subseriatis nubeculata; anfr. 4 planiusculi, ultimus antice deflexus; apertura lunato-elliptica, intus livida; perist. album, reflexum, marginibus conniventibus, dextro arcuato, basali stricto, calloso. — Diam. maj. 49, min. 46, alt. 44 mill. (Coll. Nr. 443.)

*Helix melitensis* (Helicogena) Fér. pr. 58. Hist. t. 25. f. 44. 42.

— — Wood suppl. t. 7. f. 43.

— — Pfr. Symb. I. p. 38.

— — Cantr. Malac. p. 406. (inclus. *H. soluta* Mich. cat. f. 9. 40. et? Chemn. IX. 4494. 92.)

Habitat in insula Malta.

730. *H. circumornata* Férussac. †

T. imperforata, globoso-depressa, glabra, alba, fascia unica rufa in medio, et 3 seriebus macularum aurantio-fuscarum cingulata; anfr. 4 planulati, ultimus inflatus; apertura lunato-elliptica, intus fuscula; perist. subreflexum. — Diam. maj. 49, min. 45. alt. 44 mill. (ex ic.)

*Helix circumornata* (Helicogena) Fér. pr. 68. Hist. t. 44. f. 2.

— — Wood suppl. t. 7. f. 44.

— — Voigt in Cuv. Thierr. III. p. 54.

— — Chemn. ed. II. Helix N. 432. t. 72. f. 40. 41.

*Helicogena circumornata* Beck ind. p. 39.

Habitat . . . ?

Obs. Similis *H. carsoliana* (Nr. 753.), sed omnino imperforata videtur: praeterea differt apertura elliptica, marginibus non approximatis.

731. *H. stenostoma* Pfr.

T. imperforata, globuloso-depressa, solida, sublaevigata, nitida, alba, fascia unica fusca ad peripheriam et macularum aurantiarum seriebus 2 ornata, punctisque griseis obsolete aspersa; anfr. 4½ vix convexiusculi, ultimus ventrosus, antice abrupte deflexus; apertura subhorizontalis, elliptica; perist. labiatum, album, marginibus approximatis, supero breviter expanso, basali arcuato, appresse reflexo. — Diam. maj. 45½, min. 43, alt. 9 mill. (Mus. Cuming.)

*Helix stenostoma* Pfr. in Proc. Zool. Soc. 1846. p. 28.

Habitat . . . ?

Obs. Duo vidi specimina praeter magnitudinem prorsus aequalia.

732. *H. diaphana* Lamarck.

T. imperforata, subsemiglobosa, tenuis, sublaevigata, nitida, pellucida, corneo-lutescens; spira prominula, obtusa; anfr. 4 vix convexi, ultimus basi excavatus; columella profunde intrans, superne dilatata, albo-callosa; apertura lunato-subovalis; perist. simplex, margine dextro recto, columellari subdentato. — Diam. maj.  $43\frac{1}{2}$ , min.  $44\frac{1}{2}$ , alt.  $8\frac{1}{2}$  mill. (Spec. Mus. Berol.)

*Helix diaphana* Lam. 73. p. 85. ed. Dh. p. 62.

— — (Helicostyla) Fér. pr. 349 bis. Hist. t. 404. f. 1.

— — Chemn. ed. II. Helix N. 434. t. 72. f. 15—18.

*Otala diaphana* Beck ind. p. 36.

Habitat in insula Teneriffa (Maugé, Lam.), Rio Janeiro? (Mus. Berol.)

Obs. Juxta *H. nivosam* Sow. (Nr. 497.) potius collocanda, etsi *H. nemoralinae* Petit peraffinis.

733. *H. nemoralina* Petit.

T. imperforata, depressa, subdiaphana, albido-rosea, tenuissime striata; spira obtusa; anfr. 4 planulati, ultimus fascia fusca, albo-marginata cinctus, antice deflexus; apertura lunato-rotundata; perist. roseum, intus labiatum, margine dextro subpatulo, columellari strictiusculo, dilatato, plano. — Diam. maj.  $42\frac{3}{4}$ , min.  $40\frac{1}{2}$ , alt.  $7\frac{3}{4}$  mill. (Coll. Nr. 444.)

*Helix nemoralina* Petit in Guér. mag. 1836. t. 80.

— — Chemn. ed. II. Helix N. 435. t. 72. f. 19—24.

— . . . Fér. hist. t. 29 A. f. 1—3.

Habitat in montibus insulae St. Thomas.

Obs. Hoc loco conferenda *H. erubescens* Lowe. (Nr. 709.)

734. *H. chrysomela* Pfr.

T. imperforata, depresso-globosa, rugoso-malleata, nitidula, alba; anfr. 5 planiusculi, ultimus subangulatus, basi planiusculus, antice breviter deflexus; apertura perobliqua, truncato-ovalis; perist. simplex, obtusum, intus aurantio-limbatum, marginibus callo aurantio, nitido, introrsum diffuso junctis, basali dilatato, planulato. — Diam. maj. 40, min. 8, alt. 6 mill. (Mus. Cuming.)

*Helix chrysomela* Pfr. Symb. III. p. 72.

Habitat in Brasilia.

735. *H. minoricensis* Nittrö. †

T. imperforata, orbiculato-convexa, glabriuscula, albida aut lutescens, superne maculis fuscis interruptis, inferne aliis fasciam lingentibus ornata; anfr. 5 convexiusculi; spira prominula, apice

fusca; labrum margine reflexum; faux pallide rosea; columella subdentata. — Diam. 7 lin. (M.)

*Helix minoricensis* Müttr. in Ann. sc. nat. XVIII. p. 188.

— — Arch. f. Naturg. 1843. II. p. 123.

Habitat in insula Minorca.

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### 736. *H. platychela* Menke.

T. imperforata, subglobosa, caesio-albida, unicolor vel maculose 4-fasciata, subtiliter striata; spira conoidea; anfr.  $5\frac{1}{2}$  convexi, ultimus antice valde deflexus; apertura perobliqua, truncato-rotundata; perist. late expanso-reflexum, albo-sublabiatum, margine columellari calloso, gibbo. — Diam. maj. 24, min. 24, alt. 17 mill. (Coll. Nr. 445.)

*Helix platychela* Mke syn. ed. 2. p. 125.

— — Rossm. VII. p. 7. f. 443—445. X. p. 12. f. 593

— — Grat. Bord. XI. p. 398. t. 1. f. 40.

— — Chemn. ed. II. Helix N. 44. t. 9. f. 13. 14.

— *praetexta* Jan. Phil. Sicil. I. p. 129. t. 8. f. 12.

— *sicana* var. Phil. Sicil. II. p. 104.

*Helicogena platychela* a Beck ind. p. 39.

$\beta$ ? Major, fossilis:

*Helix sphaeroidea* Phil. Sicil. I. p. 135. t. 8. f. 19.

Habitat in Sicilia; var.  $\beta$  secundum Arad. et Magg. (cat. p. 67.) in littore Catanensi viva reperta est.

Obs. Variat forma magis conoidea vel depressa, nec non peristomate latiore et angustiore, forsitan in sequentem abiens?

### 737. *H. sicana* Férussac.

T. imperforata, conoideo-globosa, alba, rarius fusco-fasciata, substriata; anfr.  $5\frac{1}{2}$  planiusculi, ultimus antice deflexus; apertura parva, perobliqua, irregulariter rotundato-lunata; perist. breviter reflexum, sub-albo-labiatum, marginibus approximatis, columellari gibbo. — Diam. maj. 24, min. 19, alt. 18 mill. (Coll. Nr. 446.)

*Helix sicana* Fér. hist. t. 28 B. f. 7.

— — Lam. ed. Dh. 215. p. 130.

— — Rossm. VII. p. 9. f. 446. 47. X. p. 12. f. 594. 96.

— *soluta* (Zgl.) Phil. Sicil. I. p. 129. t. 8. f. 15.

Habitat frequens in Sicilia.

§. 55.

### 738. *H. candidissima* Draparnaud.

T. subimperforata, globosa, solida, cretacea; anfr. 5 planiusculi, superi carinati (carina demum evanescente), ultimus antice

deflexus; apertura parva, lunata, subangulata; perist. subpetalum, hebes, intus subincrassatum, margine columellari strictiusculo, dilatato. — Diam. maj. 20, min.  $17\frac{1}{2}$ , alt. 13—14 mill. (Coll. Nr. 447.)

*Helix candidissima* Drap. p. 89. t. 5. f. 19.

— — *Lam.* 57. p. 84. ed. Dh. p. 52.

— — *Fér. hist.* t. 27. f. 9. 10. t. 39 A. f. 2. (c. anim.)

— — *Rossm.* VI. p. 38. f. 367.

— — *Chemn.* ed. II. *Helix* N. 34. t. 7. f. 5. 6.

*Leucochroa candidissima* Beck ind. p. 17.

β. Minor: diam. maj. 16, min.  $14\frac{1}{2}$ , alt. 12 mill. (Spec.)

γ. Maxima: diam. maj. 25, min.  $17\frac{1}{2}$ , alt. 20 mill. (Spec.)

*Rossm.* IX. p. 5. f. 560.

*Terv. cat.* p. 10. t. 4. f. 9.

δ. Subcarinata: diam. maj. 20, min. 18, alt. 13 mill. (Spec.)

*Helix rimosa* Jan, *Rossm.* VI. f. 367 b.

— *candidissima* var. *Fér. hist.* t. 27. f. 11—13.

— *depressa* Mühlf.

ε. Minor: sutura undulata:

*Helix candidissima* var. *Fér. hist.* t. 27 A. f. 7.

Habitat in littoribus mediterraneis Galliae, Italiae, Siciliae, in insulis Mariannis (*Fér. in Voy. de Freyc. Zool.* p. 468.); var. γ circa Oran Algeriae, δ in Sardinia.

Obs. Conf. *H. cariosa* Mich. (Nr. 564.)

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### 739. *H. Raspailii* Payrandaou.

T. obtecte perforata, orbiculato-depressa, fusco-lutea, rufo-trizona, striata, solidiuscula; anfr.  $4\frac{1}{2}$  planulati, ultimus antice subdeflexus; apertura perobliqua, lunato-ovalis; perist. sordide labiatum, margine supero expanso, basali reflexo, columellari valde dilatato. — Diam. maj. 34, min. 28, alt. 17—18 mill. (Coll. Nr. 448.)

*Helix Raspailii* Payr. catal. p. 102. t. 5. f. 7. 8.

— — *Lam.* ed. Dh. 440. p. 93.

— — *Rossm.* VIII. p. 30. f. 805.

— — *Chemn.* ed. II. *Helix* N. 438. t. 73. f. 4—3.

*Campylaea Raspailii* Beck ind. p. 26.

Habitat in insula Corsica.

Obs. Species *H. planospirae*, *Sadlerianae* etc. affinis, ob umbilicum plane consolidatum hic collocanda.

### 740. *H. tudiculata* Binney. †

T. imperforata, orbiculato-convexa, rufo-olivacea, fascia unica castanea cincta et impressionibus squamatis undique signata;

apertura transversa; labrum albidum, subreflexum; basis convexa. — Diam.  $4\frac{1}{4}$  poll. (B.)

*Helix tudiculata* Binn. in Bost. journ. IV. p. 360. t. 20.

Habitat in California.

Obs. «Anfr. 5 — 6 convexiusculi; apertura suborbicularis; umbilicus callo testaceo tectus». — An *H. californiensis* Lea var.? (Conf. Nr. 890.)

741. *H. alonensis* Férussac.

T. obtecte perforata, depresso-globosa, solidiuscula, albida, varie fusco-fasciata vel marmorata, striis irregularibus lineisque spiralibus subtiliter decussata; anfr.  $4\frac{1}{2}$  convexiusculi, ultimus magnus, tumidus, antice breviter deflexus; apertura ampla, rotundato-lunaris; perist. simplex, intus albo-sublabiatum, marginibus subconniventibus, supero et basali vix expansis, columellari late reflexo, appresso, perforationem tegente. — R. a. = 5 : 8. — Diam. maj. 27, min. 22, alt. 16 mill. (Coll. Nr. 449.)

*Helix alonensis* (Helicogena) Fér. pr. 62. Hist. t. 39. f. 1 — 9  
t. 39 B. f. 8.

— — *Lam.* 11. p. 68. ed. Dh. p. 34.

— — *Rossm.* VIII. p. 28. f. 497. 98.

— — *Chemn.* ed. II. *Helix* N. 439. t. 73. f. 6. 7.

Habitat in Hispania: Alicante, Valencia, Almeria.

Obs. Conf. *H. campesina* Ezq. (Nr. 947.)

742. *H. guttata* Olivier.

T. obtecte perforata, depressa, superne planiuscula, basi convexior, tenuis, costulato-striata, grisea, interrupte fusco-fasciata; anfr.  $4\frac{1}{2}$  planulati, ultimus antice vix deflexus; apertura rotundato-lunaris; perist. expansum, intus sublabiatum, marginibus conniventibus, columellari dilatato, regionem umbilicalem prorsus tegente. — Diam. maj. 24, min. 18, alt. 11 mill. (Coll. Nr. 450.) — Diam. maj. 33, min. 26, alt. 19 mill. (ex ic. Fér.)

*Helix guttata* Oliv. voy. II. p. 334. t. 34. f. 8.

— — *Lam.* 38. p. 76. ed. Dh. p. 44.

— — (Helicogena) Fér. hist. t. 38. f. 2.

Habitat in Syria, Egypto.

743. *H. niciensis* Férussac.

T. obtecte perforata, globoso-depressa, striata, albida, maculose 5-fasciata; anfr. 5 planiusculi, ultimus antice deflexus; apertura transverse lunato-ovalis, intus lilacina; perist. intus lilacino-labiatum, margine supero patulo, basali appresse dilatato. — Diam. maj. 23, min. 19, alt. 12 mill. (Coll. Nr. 451.)

*Helix niciensis* (Helicogena) Fér. pr. 66. Hist. t. 39 A. f. 4. (anfr. t. 40. f. 9.)

- Helix nicensis* Lam. 64. p. 83. ed. Dh. p. 58.  
 — — Mich. compl. p. 20. t. 46. f. 7. 8.  
 — — Chemn. ed. II. *Helix* N. 440. t. 73. f. 10—12.  
 — *nicaeensis* Rossm. IV. p. 40. f. 244.  
*Helicogena nicaeensis* Risso IV. p. 64. t. 3. f. 19. 20.  
 — *Nicensis* Beck ind. p. 40.

β. Unicolor: Rossm. X. f. 604.

γ. Minor: Rossm. X. f. 602.

Habitat in Gallia meridionali et prope Nizza.

**744. *H. ovum reguli* Lea.**

T. obtecte perforata, depressa, laevigata, albida, punctis corneis aspersa et fulvo-fasciata; spira parum elevata; anfr. 5 vix convexiusculi, ultimus antice subito deflexus, basi subplanulatus; apertura subhorizontalis, intus nitida, rubro-fuscescens vel livida, transverse lunato-oblonga; perist. albo-labiatum, undique expansum, marginibus subparallelis, callo perforationem claudente junctis, basali dilatato, subexcavato. — Diam. maj. 24, min. 16, alt. 10 mill. (Mus. Cuming.)

*Helix ovum reguli* Lea obs. I. p. 164. t. 19. f. 64.

— — — Phil. Icon. III. 17. *Helix* t. 10. f. 6.

Habitat in insula Cuba (Lindon); nec in Java (Lea).

**745. *H. splendida* Draparnaud.**

T. obtecte perforata, globoso-depressa, albida, laeviuscula, fasciis 5 fuscis, saepe evanescentibus vel superne confluentibus ornata; anfr. 4—4½ convexiusculi, celeriter accrescentes, ultimus antice subdeflexus; apertura late ovalis; perist. rectum, albo-labiatum, margine columellari dilatato foramen angustissimum obtegente. — Diam. maj. 20, min. 16, alt. 12 mill. (Coll. Nr. 452.)

*Helix splendida* Drap. p. 98. t. 6. f. 9—11.

— — — Lam. 62. p. 82. ed. Dh. p. 57.

— — — (*Helicogena*) Fér. pr. 63. Hist. t. 40. f. 2—5.  
 t. 39 B. f. 7. (c. anim.)

— — — Rossm. IV. p. 8. f. 238.

— — — Wagn. Alg. Atl. t. 42. f. 43.

— — — Chemn. ed. II. *Helix* N. 441. t. 73. f. 43—46.

β. Peristomate roseo-labiato:

*Helix splendida* var. Fér. t. 40. f. 4. 6.

— — — var. Rossm. X. p. 43. f. 609.

γ. Minor, tenuis, rosea, pellucida, fasciis 5 subinterruptis.

Habitat in Gallia meridionali et Hispania, var. γ in Pyrenaeis.

**746. *H. phaeogramma* Pfr.**

T. obtecte perforata, orbiculato-convexa, glabriuscula, nitida, lineis laete castaneis superne radiata, basi castaneo-unifasciata;



anfr.  $4\frac{1}{2}$  vix convexiusculi, ultimus obsolete angulatus, basi planiusculus; apertura perobliqua, rotundato-lunaris; perist. intus castaneo-labiatum, marginibus conniventibus, supero parum expanso, basali dilatato, reflexo, appresso. — Diam. maj. 45, min.  $42\frac{1}{2}$ , alt.  $8\frac{1}{2}$  mill. (Mus. Cuming.)

*Helix phaeogramma* Pfr. Symb. III. p. 72.

Habitat . . . ?

#### 747. *H. serpentina* Férussac.

T. obtecte perforata, globoso-depressa, glabriuscula, alba, seriatim fusco-maculata et signata; anfr.  $4\frac{1}{2}$  convexiusculi, ultimus antice descendens; macula umbilicalis brunnea; apertura late lunaris; perist. patulum, albo-labiatum. — Diam. maj. 47, min. 45, alt. 9 mill. (Coll. Nr. 453.)

*Helix serpentina* (Helicogena) Fér. pr. 64. Hist. t. 40. f. 7.

— — Lam. 63. p. 83. ed. Dh. p. 58.

— — Mich. compl. p. 24. t. 44. f. 44. 45.

— — Rossm. IV. p. 9. f. 239.

— — Chemn. ed. II. Helix N. 44. t. 9. f. 3—6.

— *muralis* var. Cantr. Malac. p. 409.

$\beta$ . Major, anfr. 5, interrupte fasciata: diam. maj. 22, min. 18, alt. 12 mill. (Spec.)

*Helix serpentina* var. Rossm. IV. f. 240. 44.

— *hospitans* Bonelli in coll.

— *undulata* Mich. compl. p. 22. t. 44. f. 9. 40.

— *Magnettii* Cantr. Malac. p. 408.

$\gamma$ . Nigricanti-marmorata, fasciis confluentibus, strigis fulminatis junctis: diam. maj. 20, min. 17, alt.  $4\frac{1}{2}$  mill. (Spec.)

*Helix serpentina* var. Rossm. IV. f. 242.

— *marmorata* Collect. Nec Fér.

$\delta$ . ? *Helix* Carae Cantr. Mal. méd. p. 408. t. 5. f. 7? \*)

Habitat in Italia,  $\alpha$  prope Pisa et Livorno,  $\beta$  in Sardinia,  $\delta$  (?) ad Capoterra prope Cagliari (Cantr.).

#### 748. *H. muralis* Müller.

T. obtecte perforata, subdepressa, superne valide rugoso-costata, albida, fusco-maculata, basi obsoletius costata, unicolor, alba; anfr.  $4\frac{1}{2}$  convexiusculi, ultimus antice deflexus; apertura perobliqua, transverse subovalis, intus fusca; perist. albo-labiatum, acutum, marginibus vix conniventibus, dextro expanso,

\*) T. orbiculato-convexa, depressiuscula, imperforata, glabra, lutescente vermiculata, maculis fuscis serialibus angulatis picta; spira prominula aut subplana; apertura ovato-lunata, alba, macula rosea umbilicali insignita; labro margine reflexo; anfr. 5. — Alt.  $8\frac{1}{2}$ , diam. 44 lin. (Cantr. l. c.)

basali levissime arcuato, reflexo, appresso. — Diam. maj. 49, min. 46 $\frac{2}{3}$ , alt. 9 mill. (Coll. Nr. 454.)

*Helix muralis* Müll. verm. II. p. 44. N. 213. (excl. synon.)

— — *Lam.* 90. p. 90. ed. Dh. p. 69.

— — (Helicogena) *Fér.* pr. 70. Hist. t. 44. f. 4.

— — *Phil.* Sicil. I. p. 126. t. 8. f. 8.

— — *Rossm.* IV. p. 6. f. 231 a.

— *rugulosa* *Risso* IV. p. 139? \*) *Teste* Cantr.

— *rugosa* *Zgl.* Mus. (teste Rm.)

*Gualt.* t. 3. f. F.

♂. Minor, elatior, minus valide rugosa, superne albo, fusco et plumbeo variegata, subtus unifasciata: diam. maj. 47 $\frac{1}{2}$ , min. 45, alt. 10 mill. (Spec.)

*Helix muralis* var. *Rossm.* IV. f. 230.

γ. Minima: diam. maj. 45, min. 43 $\frac{1}{2}$ , alt. 8 mill.

*Helix muralis* var. *Rossm.* IV. f. 231 b.

Habitat in Italia et Sicilia, var. β reliquis multo frequentior.

Obs. Conf. H. Grohmanniana Ph. (Nr. 765.) et Paciniana Ph. (Nr. 766.)

#### 749. *H. globularis* Ziegler.

T. obtecte perforata, globoso-depressa, albida, subseriatim fusco-maculosa vel unicolor, glabriuscula; spira elevatiuscula; anfr. 5 convexiusculi, ultimus antice subito deflexus; apertura irregulariter subrotunda, perobliqua; perist. reflexiusculum, album, marginibus approximatis, columellari strictiusculo, albo-callosa, subdentata. — Diam. maj. 49, min. 46, alt. 43 mill. (Coll. Nr. 455.)

*Helix globularis* *Zgl.* Mus. *Rossm.* VII. p. 7. f. 442.

— — *Phil.* Sicil. II. p. 104.

— — *Chemn.* ed. II. *Helix* N. 43. t. 9. f. 9. 10.

— *sicula* *Pot.* et *Mich.* gal. I. p. 111?

Habitat in Sicilia (Phil.) et ad Pola Istriae (Erdl).

#### 750. *H. signata* Férussac.

T. obtecte perforata, subdepressa globosa, alba, fasciis sub-3 maculose interruptis, castaneis ornata, substriata; anfr. 5 planiusculi, ultimus descendens; apertura perobliqua, lunato-rotundata; perist. patulum, fuscum, albo-labiolum, marginibus subconniventibus, columellari callosa maculaque umbilicali fuscis. — Diam. maj. 22, min. 49, alt. 43 mill. (Coll. Nr. 456.)

*Helix signata* (Helicogena) *Fér.* pr. 55. Hist. t. 30. f. 3.

\*) T. rugulosa, subpellucida, subdepressa; anfr. 6, striolis valde irregularibus flexuosis sculptis; epidermide griseo-albido irrorata. — Long. 0,018. (*Risso* l. c.)

*Helix signata* Rossm. XI. p. 2. f. 686.

— — *Phil.* Sicil. II. p. 403.

— — *Chemn.* ed. II. *Helix* N. 42. t. 9. f. 7. 8.

— *ficuum* Mühlf. } (teste Beck.)

— *sicula* Quibusd. }

*Helicogena signata* Beck ind. p. 39.

β. Minor: diam. maj.  $17\frac{1}{3}$ , min.  $15\frac{1}{3}$ , alt. 44 mill.

Habitat in regno Neapolitano, prope Piedimonte d'Alife (Phil.).

Obs. 1. Differt ab *H. globulari* perist. minus expanso et margine columellari non stricto, neque dentato.

Obs. 2. *H. signata* var. α Fér. t. 32 A. f. 3. 4 ad *H. sylvaticam* referenda mihi videtur.

#### 751. *H. nebrodensis* Mandralisca.

T. obtecte perforata, depressa, solidiuscula, nitida, striis incrementi et spiralibus minutissime decussata, unicolor albida vel interrupte fusco-fasciata; anfr. 5 vix convexiusculi, ultimus antice deflexus; columella breviter arcuata; apertura transverse ovalis, intus fuscicula; perist. album, labiatum, margine dextro vix patulo, basali stricto, subdentato, late reflexo, appresso. — Diam. maj. 25, min.  $24\frac{1}{2}$ , alt. 44—43 mill. (Coll. Nr. 457.)

*Helix nebrodensis* Mandral. cat. de Moll. delle Madon. p. 47.

— — *Phil.* Sicil. II. p. 248.

— — *Zeitschr. f. Mal.* 1844. p. 78 et 405.

Habitat in Nebrodum cacuminibus.

Obs. Differt ab *H. globulari* magnitudine, testa depressa, striis spiralibus, apertura ovali, etc.

#### 752. *H. simia* Férussac. †

T. obtecte perforata, depresso-globosa, oblique striata, alba, cingulis 2 angustis, interruptis, flavidis ornata; spira subelata; anfr. 5 planuli, ultimus convexus; apertura lunato-elliptica; perist. reflexiusculum, roseum, margine columellari dilatato. — Diam. maj. 47, alt. 41 mill. (ex ic.)

*Helix simia* (*Helicogena*) Fér. hist. t. 38 D. f. 2.

— — *Chemn.* ed. II. *Helix* N. 431. t. 72. f. 8. 9.

*Theba simia* Beck ind. p. 45.

Habitat.

maculato  
apertura  
fusco-

lora, sublabiatum, marginibus approximatis. — Diam. maj.  $47\frac{1}{2}$ , min. 45, alt. 8 mill. (Coll. Nr. 458.)

*Helix carsoliana* (Helicogena) Fér. pr. 67. Hist. t. 44. f. 4.

— — *Rossm.* VII. p. 6. f. 444.

— — *Phil.* Sicil. II. p. 404.

— *carseolana* Fér. pr. p. 67.

— *serpentina* *Phil.* Sicil. I. p. 128.

— *muralis* var. *Cantr.* Malac. p. 409.

*Helicogena carseolana* Beck ind. p. 39.

Habitat in Italia, Sicilia.

754. *H. Reinga* Gray.

T. oblecte perforata, globoso-depressa, solidula, oblique striatula, albida, fascia unica castanea pluribusque lineis aurantiis ornata; spira subelevata; anfr.  $5\frac{1}{2}$ , convexiusculi, sensim accrescentes, ultimus subtus convexus, antice descendens; apertura perobliqua, angusta, subtriangulato-lunaris; perist. breviter expansum, intus albo-labiatum, margine columellari strictiusculo, obsolete et obtuse unidentato. — Diam. maj. 45, min. 43, alt. 40 mill. (Coll. Nr. 459.)

*Helix Reinga* Gray in sched. (New Zeal. t. 4. f. 44. 42. ined.)

— — *Pfr.* Symb. III. p. 73.

— — *Chemn.* ed. II. Helix N. 443. t. 73. f. 8. 9.

Habitat in Nova Seelandia.

755. *H. Dringi* Pfr.

T. oblecte perforata, depressa, tenuis, fragilis, superne confertim plicatula, albida, opaca, lineis pellucidis cingulata; spira subplanulata; anfr.  $4\frac{1}{2}$  vix convexiusculi, ultimus latere subcompressus, basi laevigatus, inflatus; apertura lunaris, concolor; perist. expansum, intus subincrassatum, margine columellari breviter arcuato, dilatato, reflexo, appresso. — Diam. maj. 43, min. 41, alt.  $7\frac{1}{2}$  mill. (Mus. Cuming.)

*Helix Dringi* Pfr. Symb. III. p. 73.

Habitat in Australia orientali, prope «Torres-Strait» (Dring).

756. *H. calva* Lowe.

ata, globoso-depressa, tenuiuscula, superne laevigata, diaphana, corneo-albida, obsolete striatula; spira subsemiglobosa; anfr. 7 vix concolor vix descendens; apertura lunaris; perist. intus albo-labiatum, margine basali plane

arcuato. — Diam. maj.  $8\frac{1}{2}$ , min. 8, alt. 5 mill. (Coll. Nr. 460. Spec. Loweana.)

*Helix calva* Lowe Faun. Mader. p. 49. t. 5. f. 26.

Habitat in Maderæ sylvis.

\* \* \*

#### 757. *H. albolabris* Say.

T. obtecte perforata, depresso-globosa, costulis obliquis striisque spiralibus obsoletis, confertissimis subdecussata, flava; spira parum elata; anfr.  $5\frac{1}{4}$  convexiusculi; apertura rotundato-lunaris; perist. angulatum late reflexum, intus album, nitidum, callosum, ad columellam brevem, arcuatam dilatatum. — R. a. = 3 : 5. — Diam. maj. 36, min. 26, alt. 47—48 mill. (Coll. Nr. 461.)

*Helix albolabris* Say in Nichols. Enc. Conch. t. 4. f. 1.

— — Say Amer. Conch. t. 13. f. 1. 2.

— — (Helicogena) Fér. pr. 75. Hist. t. 43. f. 1—3.

— — Binn. in Bost. journ. I. p. 475. t. 13.

— — Gould report p. 170. f. 404.

— — Pfr. Symb. II. p. 22.

— — Chemn. ed. II. Helix N. 53. t. 45. f. 7. 8.

*Tridopsis albolabris* Beck ind. p. 22.

List. syn. t. 47. f. 451

β. Magis globulosa: Fér. t. 43. f. 4. 5.

γ. Maxima: diam. 38, alt. 28 mill. (ic. Fér.)

*Helix major* Binn. in Bost. journ. I. p. 473. t. 12.

— *albolabris* var. Fér. t. 46 A. f. 7.

Habitat in America boreali: Missouri, Ohio, Georgia, Alabama, Florida etc.

Obs. Conf. H. zuleta Say. (Nr. 824.)

#### 758. *H. multilineata* Say.

T. obtecte perforata, depresso-globosa, tenuis, pellucida, costulis minutis, obliquis, confertissimis ornata, corneo-straminea, cingulis variis (25—30) angustis rufis circumdata; anfr. 6 convexiusculi; apertura lunato-rotundata; perist. acutum, angulatum reflexum, margine columellari in laminam tenuem, umbilicum prorsus obtegentem, expanso. — Diam. maj. 23, min. 20, alt. 44 mill. (Coll. Nr. 462.)

*Helix multilineata* Say in Philad. journ. II. p. 150.

— — (Helicogena) Fér. hist. t. 46 A. f. 3.

— — Binn. in Bost. journ. I. p. 480. t. 14.

— — Pfr. Symb. I. p. 41.

— — Chemn. ed. II. Helix N. 427. t. 71. f. 17. 18.

*Eurycratera multilineata* Beck ind. p. 45.

♀. Minor, cingulis distantibus 6—7 lateritius: diam. maj. 18, min. 16, alt. 11 mill. (Spec.)

*Helix multilineata* var. *Chemn.* L. c. t. 74. f. 19. 20.

Habitat in America boreali: Illinois et Missouri.

759. *H. pennsylvanica* Green.

T. obtecte perforata, subglobosa, tenuis, pellucida, luteo-cornea, subtiliter oblique costulata; anfr. 5 planiusculi, ultimus ad aperturam subconstrictus; apertura lunaris; perist. late reflexum, intus albo-labiatum, margine columellari subrecto, expanso, umbilicum obtegente. — Diam. maj. 17, min. 15, alt. 11—12 mill. (Coll. Nr. 463.)

*Helix pennsylvanica* Green Contrib. to MacLurian Lyc. N. 1. p. 8.

— — *Binn.* in Bost. journ. I. p. 483. t. 16.

— — *Pfr.* Symb. II. p. 36.

— — *Chemn.* ed. II. *Helix* N. 442. t. 73. f. 4. 5.

— *clausa* Say in Philad. journ. II. p. 154. Nec Rafin.

— — *Say* Amer. Conch. t. 37. f. 1.

— — *Binn.* in Bost. journ. I. p. 482. t. 15.

*Tridopsis thyroideus* var. *edentula* Beck ind. p. 23?

Habitat in America boreali: Pennsylvania, Ohio, Illinois.

Obs. Differt ab *H. multilineata* spira elatiora et lamina umbilicum obtegente multo minus expansa, ab *H. thyroide* umbilico omnino clauso, apertura edentula, etc.

760. *H. Mitchelliana* Lea.

T. superne obtuse conica, inferne inflata, longitudinaliter et subtiliter striata, cornea, diaphana, imperforata; anfr. 5; apertura subrotundata; labrum subreflexum; columella laevis. — Diam. 0,7, long. 0,4 poll. (Lea.) — Diam. maj. 49, alt. 42 mill. (ex ic.) — Coll. Nr. 464?

*Helix Mitchelliana* Lea obs. II. p. 87. t. 23. f. 71.

— — ? *Chemn.* ed. II. *Helix* N. 332. t. 56. f. 6—8.

Habitat in America boreali: Ohio.

Obs. « Affinis clausae et jejunae Say. Striae majores, quam harum; labrum magis acutum, quam clausae. » — Conf. *H. thyroides* Nr. 900.

761. *H. plicaria* Lamarck.

T. obtecte perforata, orbiculato-depressa, violacescenti-fusca, basi pallidior, oblique granulato-costata; anfr. 4½ convexi, ultimus antice valde deflexus; apertura subhorizontalis, angusta, subovalis, intus alba; perist. acutum, angulatim latissime expansum, intus incompressatum, marginibus callo junctis. — Diam. maj. 20, min. 16, alt. 10—11 mill. (Coll. Nr. 465.)

*Helix plicaria* Lam. Enc. méth. t. 462. f. 3.

*Helix plicaria* (Helicogena) Fér. pr. 74. Hist. t. 42. f. 4.

— — Chemn. ed. II. Helix N. 426. t. 74. f. 13. 14.

— *plicatula* Lam. 84. p. 87. ed. Dh. p. 65.

— — Blainv. Malac. p. 460. t. 39. f. 4.

— *plicata* Blainv. Dict. sc. nat. XX. p. 425.

— *orbiculata* Wood suppl. t. 7. f. 2.

— *planorbula* Gray. (teste Villa cat.)

*Otala plicatula* Beck ind. p. 36.

*Hemicycla plicaria* Swains. Malac. p. 331.

Habitat in insula Teneriffa (Lam.), Portorico, St. Thomas (Fér.).

Obs. Huic sectioni adnumerandae forent nonnullae varietates Hel. descriptorum Forsk. (Conf. Nr. 898.) — Conf. praeterea H. hians Nr. 4015.

### §. 56.

#### 762. *H. lampas* Müller.

T. imperforata, sublenticularis, tenuiuscula, fulva, subtiliter striata, cicatricosa, acute carinata; spira parum elevata; anfr. 5 planiusculi, ultimus antice breviter deflexus, basi convexior, lineis elevatis obsolete cinctus; apertura transversa, subtriangularis. intus nitide livida vel lutescens; perist. simplex, vix incrassatum, aurantium, margine dextro expanso, basali reflexo, appresso, columellari dilatato. — Diam. maj. 74, min. 64, alt. 29 mill. (Mus. Cuning. et Gruner.)

*Helix lampas* Müll. verm. II. p. 42. N. 244.

— — (Helicigona) Fér. pr. 438. Hist. t. 60. f. 2

— — Lam. ed. Dh. 208. p. 427.

— — Chemn. ed. II. Helix N. 33. t. 2. f. 4. 2.

— *Carocolla* Chemn. XI. p. 267. t. 208. f. 2044. 43.

— *carina* Wood suppl. t. 7. f. 57.

*Carocolla magna* Schumach. p. 492.

— *lampas* Gray in Ann. of Phil. New ser. IX. p. 442.

— — Mke syn. ed. 2. p. 24.

*Discodoma gigas* Swains. Malac. p. 329.

*Knorr* IV. t. 5. f. 2. 3?

Habitat in insula Haiti? (Beck.)

Obs. Conf. H. pyrostoma Fér. (Nr. 769.)

#### 763. *H. Spengleriana* Pfr.

T. imperforata, depressa, solida, striata, nitida, pallide castanea; spira parum elevata, obtusa; anfr. 5½, supremi plani, minutissime granulati, 2 ultimi convexi, ultimus medio obtuse carinatus, basi convexiusculus; apertura perobliqua, lunaris, intus fuscule; perist. late expansum, breviter reflexum, marginibus callo nitido junctis, basali sinuoso, reflexo, subappresso, colu-

mellari perchilato, adnato, umbilicum prorsus tegente. — Diam. maj. 49, min. 44, alt. 26 mill. (Mus. Cuming.)

*Helix Spengleriana* Pfr. in Proc. Zool. Soc. 1846. p. 111.

Habitat in insula Jamaica (Gosse).

Obs. Affinis *H. acutae* et *Bainbridgei*.

**764. *H. Gualtierana* Linn.**

T. obtecte perforata, superne plana, subtus turgida, compresso-carinata, scabra, decussatim plicata, albida; anfr. 4 exserti, ultimus deflexus; apertura angulata, lunato-securiformis; perist. simplex, reflexum, margine columellari appresse dilatato. — Diam. maj. 43, min. 34, alt. 18 mill. (Coll. Nr. 466.)

*Helix Gualtierana* Linn. syst. ed. XII. p. 1243.

— — Schröt. Einl. II. p. 436 t. 4. f. 2. 3.

— *Gualtieriana* Gmel. p. 3621. N. 33.

— — (Helicigona) Fér. pr. 437. Hist. t. 62. f. 1—5.  
(c. anim.).

— — Mawe t. 29. f. 3.

— — Guér. Iconogr. Moll. t. 6. f. 4.

— — Rossm. IV. p. 8. f. 237.

— — Chemn. ed. II. *Helix* N. 418. t. 20. f. 5—7.

— *obversa* Born Test. p. 368. t. 43. f. 42. 43.

*Catocolla Gualtieriana* Lam. 7. p. 97. ed. Dh. p. 446.

— — Reeve Conch. syst. II. t. 467. f. 6.

*Iberus Gualtierianus* Montf. Conch. syst. p. 447. t. 37.

*Discodoma Gualtieriana* Swains. Malac. p. 329.

*Gualt.* t. 68. f. E.

*Chemn.* V. vign. 44. p. 237.

Habitat in Hispania: Cadix, Almeria, Granada, Murcia.

**765. *H. Grohmanni* Philippi.**

T. obtecte perforata, orbiculato-depressa, carinata, subtiliter striata, albida, 3—4-seriatim fusco-maculata; anfr. 4½ subplanulati, ultimus antice subdeflexus; apertura securiformi-lunata, intus saturate fasciata; perist. simplex, margine supero subexpanso, basali appresse reflexo, ad columellam subdilatato, carneo. — Diam. maj. 24, min. 17½, alt. 9½ mill. (Coll. Nr. 466.)

*Helix Grohmanni* Phil. Sicil. I. p. 428. t. 8. f. 3. II. p. 404.

— — Rossm. VII. p. 9. f. 448.

*Helicogena Grohmanni* Beck ind. p. 40.

Habitat in Sicilia (raro prope Panormum).

Obs. Conf. *H. muralis* Mull. (Nr. 748.)

**766. *H. Paciniana* Philippi.**

T. obtecte perforata, depressa, carinata, rugosa, rugis albis, interstitiis lividis; anfr. 5 vix planiusculi, ultimus antice deflexus;



apertura angulato-lunaris; perist. reflexum, albo-labiatum, marginibus approximatis, columellari dilatato, appresso. — Diam. maj. 47, min. 45, alt. 8 mill. (Coll. Nr. 467.)

*Helix Paciniana* Phil. Sicil. I. p. 427. t. 8. f. 9. II. p. 405.

— *muralis* var. *carinata* Fér. hist. t. 44. f. 5.

— *vieta* Rossm. IV. p. 7. f. 232.

*Iberus Pacciniana* Beck ind. p. 28.

Habitat in Sicilia occidentali.

#### 767. *H. squamosa* Férussac. †

T. obtecte perforata, globoso-depressa, ad peripheriam carinata, transversim longitudinaliterque striata, luteo-fulva, fusco irregulariter maculata; carina squamosa; apertura semilunaris. minima; labrum reflexum, rubescens. (Dh.) — Diam. 7 lin. (Lam.) — Diam. maj. 48, min. 45, alt. 40 mill. (ex ic. Féruss.)

*Helix squamosa* (Helicogena) Fér. pr. 69. Hist. t. 44. f. 3.

— — Lam. ed. Dh. 244. p. 430.

— — Wood suppl. t. 7. f. 3.

— — Chemn. ed. II. Helix N. 433. t. 72. f. 42—44.

— *macularia* Lam. 87. p. 89. ed. Dh. p. 68.

*Otala macularia* Beck ind. p. 36.

β? Depressa: diam. 46, alt. 40 mill.

*Helix squamosa* var. *Grat.* Bord. XI. p. 400. t. 4. f. 43. 44.

Habitat in ins. Portorico (Maugé, Lam.), var. β in ins. St. Thomas (Grat.).

Obs. Anfractus ultimus ex icone antice gibbosus et constrictus esse videtur.

#### 768. *H. Leachii* Férussac.

T. obtecte perforata, depressa, utrinque convexa, oblique costulata, albida, crenulato-carinata; anfr. 4 planiusculi, ultimus basi inflatus, antice deflexus; apertura subelliptica; perist. superne expansum, basi reflexum, marginibus junctis, columellari umbilicum obtegente. — Diam. maj. 47, min. 45½, alt. 40 mill. (Mus. Brit.)

*Helix Leachii* (Helicigona) Fér. pr. 474. Hist. t. 64. f. 2.

— — Pfr. Symb. III. p. 73.

— — Chemn. ed. II. Helix N. 448. t. 74. f. 6. 7.

— *tripolitana* Wood suppl. t. 7. f. 33.

*Carocolla tripolitana* Gray in Ann. of Phil. New ser. IX. p. 412 \*

*Leucochroa tripolitana* Beck ind. p. 47.

Habitat in Africa boreali: circa Tripoli.

\*) T. orbiculata, supra convexo-conica, marginibus carinatis, crenatis, infra convexa, inperforata, alba, pellucida, tenuis, concentricè acute corrugata, peristomate completo albo, reflexo. — Axis ½, diam. ¾, unc. (Gray l. c.)

§. 57.

769. *H. pyrostoma* Férussac.

T. imperforata, depressa, utrinque convexa, striatula, nitida, fulvescenti-alba, acute carinata; anfr.  $4\frac{1}{2}$  vix convexiusculi, ultimus infra carinam inflatus, antice deflexus; apertura irregulariter elliptica; perist. subincrassatum, late expansum, igneum, marginibus callo junctis, columellari dilatato, plano, obsolete dentato, basali reflexo. — Diam. maj. 64, min. 52, alt. 34 mill. (Mus. Cuming.)

*Helix pyrostoma* (Helicigona) Fér. pr. 139. Hist. t. 15. f. 3. 4.

— — Pfr. Symb. III. p. 73.

— — Chemn. ed. II. Helix N. 401. t. 67. f. 4. 5.

*Carocolla pyrostoma* Gray in Ann. of Phil. New ser. IX. p. 442.

Habitat in India orientali? (Fér.)

Obs. Conf. *H. lampas* Mull. (Nr. 762.)

770. *H. siquijorensis* (Carocolla) Broderip.

T. imperforata, depressa, carinata, crassiuscula, oblique striatula, rufa, epidermide alba hydrophana obducta; spira parum exserta; sutura linearis; anfr.  $4\frac{1}{2}$  planulati, ultimus non deflexus; carina acuta; apertura securiformis; perist. intus nitidum, superne expansum, basi reflexum, ad columellam arcuatam subincrassatum. — R. a. = 47 : 24. — Diam. maj. 47, min. 44, alt. 22 mill. (Coll. Nr. 469.)

*Carocolla Siquijorensis* Brod. in Proc. Zool. Soc. 1844. p. 38.

— — Reeve Conch. syst. II. t. 468. f. 45.

*Helix Siquijorensis* Pfr. Symb. II. p. 38.

— — Chemn. ed. II. Helix N. 408. t. 69. f. 1. 2.

β. Minor, pallide lutescens: diam. maj. 44, min. 34, alt. 17 mill. (Spec.)

*Helix siquijorensis* var. Chemn. l. c. t. 69. f. 3. 4.

Habitat in insula Siquijor Philippinarum (Cuming.)

771. *H. Carmelita* Férussac.

T. imperforata, suborbicularis, carinata, oblique striata, nitide castanea, fascia unica pallidiore supra carinam ornata; anfr.  $4\frac{1}{2}$  planulati, ultimus basi inflatus, antice vix descendens; apertura perobliqua, lunato-elliptica; perist. reflexum, intus album, marginibus callo lato junctis, columellari dilatato, introrsum obsolete unidentato. — Diam. maj. 46, min. 37, alt. 23 mill. (Mus. Cuming.)

*Helix Carmelita* (Helicogena) Fér. pr. 85. Hist. t. 32. f. 4.

— — Pfr. Symb. III. p. 73.

*Helix mora* Gray in Griff. anim. kingd. t. 36. f. 1.

*Caracolla carmelita* Beck ind. p. 32.

Habitat in America (Fér.).

772. *H. neogranadensis* Pfr.

T. imperforata, depressa, carinata, tenuis, undique minutim granulata, saturate rufa; spira vix elevata; anfr.  $4\frac{1}{2}$  planiusculi, ultimus basi convexus, antice deflexus, constrictus; apertura per obliqua, lunato-rotundata; perist. carneum, simplex, expansum, reflexiusculum, marginibus callo tenui junctis, basali obsolete unidentato, columellari brevi, dilatato, appresso. — Diam. maj. 34, min. 28, alt. 15 mill. (Mus. Cuming.)

*Helix Neogranadensis* Pfr. in Proc. Zool. Soc. 1845. p. 64.

Habitat in monte Quendeu Novae Granadae.

773. *H. zebuensis* (Caracolla) Broderip.

T. imperforata, depressa, saturate rufa, epidermide liberea, hydrophana, rugulosa variegata vel omnino obducta, acute carinata, basi saepe multifasciata et radiata, apice nitida, uigricans; anfr.  $4\frac{1}{2}$  planiusculi, ultimus vix deflexus; columella subrecta, declivis, callosa; apertura securiformis, intus nitide coerulescens; perist. superne tenue, expansum, basi incrassatum, reflexum. — R. a. = 2:3. — Diam. maj. 40, min. 34, alt. 49 mill. (Coll. Nr. 470.)

*Caracolla zebuensis* Brod. in Proc. Zool. Soc. 1844. p. 46.

— — Reeve Conch. syst. II. t. 168. f. 14. 16.

*Caracolla zebuensis* Hartm. Gast. I. p. 196. t. 75.

*Helix zebuensis* Pfr. Symb. II. p. 44.

— — Chemn. ed. II. Helix N. 405. t. 68. f. 12. 13.

β. Minor: diam. maj. 33, min. 29, alt. 17 mill. (Spec.)

*Helix zebuensis* var. Chemn. I. c. t. 68. f. 14. 15.

Habitat in insula Zebu Philippinarum (Cuming).

Obs. Carina interdum in omnibus anfractibus acute exserta.

774. *H. carbonaria* Sowerby.

T. imperforata, subtrochiformis, laevis, purpureo-nigricans, epidermide fusca hydrophana oblique strigata, apice rubra vel violacea; sutura linearis; anfr. 5 planiusculi, ultimus carinatus, basi planus; columella subrecta, dilatata, fuscidula; apertura sub-tetragona, intus livida; perist. simplex, vix incrassatum. — Diam. maj. 34, min.  $28\frac{1}{2}$ , alt. 24 mill. (Coll. Nr. 474.)

*Helix carbonaria* Sow. in sched. Cuming.

— — Pfr. in Proc. Zool. Soc. 1842. p. 86.

— — Pfr. Symb. II. p. 24.

*Helix carbonaria* Chemn. ed. II. Helix N. 275. t. 47. f. 6—8.

β. Carina obtusiore, anfractu ultimo basi convexiore.

Habitat in insula Zebu Philippinarum (Cuming).

775. *H. angulata* Férussac.

T. imperforata, depressa, superne planiuscula, basi valde turgida, acute carinata, oblique striata, utrinque albida; anfr. 4 planulati, rapide accrescentes, ultimus basi perinflatus, juxta columellam declivem, strictiusculam subcompressus; apertura subrhombea; perist. subincrassatum, breviter reflexum. — Diam. maj. 54, min. 38, alt. 23 mill. (Mus. Cuming.)

*Helix angulata* (Helicigona) Fér. pr. 434. Hist. t. 64. f. 2.

— — Chemn. ed. II. Helix N. 400. t. 67. f. 4. 2.

— *inflata* Desh. in Encycl. méth. II. p. 258. N. 431.

*Carocolla inflata* Lam. 6. p. 97. ed. Dh. p. 445.

— *angulata* Gray in Ann. of Phil. New ser. IX. p. 442.

*Eurycratera acutangula* Beck ind. p. 45.

*Discodoma inflata* Swains. Malac. p. 329.

Habitat in insula Portorico (Maugé, Fér.).

Obs. *H. acutangula* Burr. (elem. of Conch. p. 483. t. 26. f. 4.) a Cl. Beck hac relata, specimen potius *H. papyraceae* non adultum exhibere mihi videtur.

776. *H. oblitterata* Férussac.

T. imperforata, orbiculata, carinata, supra subconica, subtus valde turgida, granulosa, sub epidermide fusciscente albicans; anfr. 4 subplanulati; columella alba, leviter arcuata; apertura angulato-lunaris, intus margaritacea; perist. subincrassatum, breviter reflexum, margine dilatato, calloso. — Diam. maj. 48, min. 36, alt. 27 mill. (Mus. Cuming.)

*Helix oblitterata* (Helicigona) Fér. pr. 436. Hist. t. 64. f. 3.

— — Desh. in Encycl. méth. II. p. 258. N. 432.

— — Lam. ed. Dh. 499. p. 423.

— — Chemn. ed. II. Helix N. 447. t. 20. f. 4. 2. t. 67. f. 3.

— *Gualteriuna* Chemn. IX. P. 2. p. 83. t. 426. f. 4400. 4401.

— *inflata* Küst. in ind. fasc. 32 ed. nov. Chemn.

*Carocolla bifasciata* Schum. (Beck.)

*Eurycratera inflata* Beck ind. p. 45. (synon. nonnull. dub.)

β. Minor: diam. maj. 42, min. 32, alt. 24 mill. (Mus. Cuming.)

*Helix oblitterata* var. Fér. t. 64. f. 4.

Habitat in insula Portorico (Maugé, Fér.).

777. *H. conformis* Férussac. †

T. imperforata, compressa, carinata, minute striata, alba; epidermide colore subfusco-fugaci picto; anfr. 3, ultimo magno,

dilatato; apertura magna; perist. reflexo, angusto; latere columellari depresso, recto. (Fér.) — Diam. maj. 35, min. 25, alt. 22 mill. (ex ic.)

*Helix conformis* (Helicogena) Fér. pr. 23. Hist. t. 25 A. f. 40.

— — Fér. Voy. de Freyc. Zool. p. 467. t. 64. f. 4. 5.

— — Wood suppl. t. 7. f. 37.

— — Chemn. ed. II. Helix N. 428. t. 72. f. 4—3.

*Eurycratera conformis* Beck ind. p. 46.

Habitat in Archipelago Timoriensi (Fér.).

Obs. Cl. auctor speciem carinatum dicit; ex icone potius *H. Valenciennesii* et intortae affinem censuerim, sed nunquam specimen vidi descriptioni et figurae congruum.

### 778. *H. puella* (Carocella) Broderip.

T. imperforata, globosa-depressa, tenuis, striatula, non nitens, alba, diaphana; spira fornicata; sutura linearis; anfr. 4 vix convexiusculi, rapide accrescentes, ultimus basi inflatus, medio carinatus, ad carinam fusco-cingulatus; columella declivis, strictiuscula; apertura irregulariter lunaris; perist. simplex, margine supero expanso, basali reflexo, cum columellari angulatim juncto. — Diam. maj. 36, min. 30, alt. 20 mill. (Coll. Nr. 472.)

*Carocella puella* Brod. in Proc. Zool. Soc. 1841. p. 45.

*Helix puella* Pfr. Symb. III. p. 74.

— — Chemn. ed. II. Helix N. 406. t. 68. f. 3—5.

β. Minor, pellucida, hyalina, fascia rufa ad carinam, 2 ad suturam et basin: diam. maj. 29, min. 24, alt. 17 mill. (Coll. Saul.)

Habitat in insula Camiguin Philippinarum (Cuming).

Obs. Conferatur *H. virgo* Brod., huic persimilis (Nr. 571.).

### 779. *H. Broderipi* Pfr.

T. imperforata, globoso-depressa, striatula, tenuis, albida, carinata; spira vix elevata, apice fere impressa; anfr. 4 planulati, celeriter accrescentes, ultimus basi inflatus; columella strictiuscula, subdeclivis, superne intrans; apertura transverse late lunaris, intus nitida; perist. simplex, margine supero et basali expansis, columellari incrassato-reflexo. — Diam. maj. 43, min. 32, alt. 20 mill. (Coll. Nr. 473.)

*Helix Broderipi* Pfr. Symb. II. p. 69. III. p. 74.

— — Chemn. ed. II. Helix N. 404. t. 68. f. 6. 7.

*Carocella dealbata* Brod. in Proc. Zool. Soc. 1841. p. 45.

Habitat in insula Siquijor Philippinarum (Cuming).

Obs. Differt ab *H. puella* spira depressa, anfractu ultimo minus convexo, apertura lunata, margine basali cum columellari vix angulum obsoletum formante. — Variat carina obtusa, fere obsoleta.

780. *H. angustata* Férussac.

T. imperforata, ovato-depressa, carinata, flavescenti-cinerea, striis spiralibus et transversis saturatioribus subdecussata; anfr. 4 planiusculi, ultimus a latere compressus, angustatus, antice gibbus, subdeflexus; apertura lunato-elliptica; perist. subreflexum, albidum, marginibus remotis, supero antrorsum arcuato, basali calloso, perditato. — Diam. maj. 33, min. 27, alt. 46 mill. (Coll. Nr. 474.)

*Helix angustata* (Helicigona) Fér. pr. 433. Hist. t. 64. f. 4.

— — Pfr. Symb. III. p. 74.

— — Chemn. ed. II. Helix N. 699. t. 412. f. 1. 2.

*Carocolla angustata* Gray in Ann. of Phil. New ser. IX. p. 442.

Habitat in insulis Haiti et Jamaica. (Mke in Zeitschr. f. Mal. 1845. p. 64.)

781. *H. Thersites* (Carocolla) Broderip.

T. imperforata, subcomplanata, gibba, tenuis, subdiaphana, sulphurea, castaneo-fasciata; spira parum elata; sutura linearis; anfr. 4½ planiusculi, ultimus non deflexus, acute carinatus, prope aperturam subito rotundatus, gibbus; apertura subhorizontalis, semiovalis; perist. simplex, late expansum. — R. a. = 7 : 42. — Diam. maj. 34, min. 23, alt. 44 mill. (Coll. Nr. 475.)

*Helix Thersites* (Carocolla) Brod. in Proc. Zool. Soc. 1844. p. 38.

— — Pfr. Symb. II. p. 40.

— — Chemn. ed. II. Helix N. 700. t. 412. f. 3. 4.

*Carocolla Thersites* Reeve Conch. syst. II. t. 168. f. 9.

Habitat in insula Mindoro Philippinarum (Cuming).

782. *H. Reginae* (Carocolla) Broderip.

T. imperforata, depressa, tenuissima, subtiliter striata, lineis minutissimis concentricis subdecussata, pellucida, nitida, smaragdina; spira depressa, planiuscula; anfr. 4 subplanulati, rapide accrescentes, ultimus acute carinatus, basi inflatus; apertura angulato-lunaris; perist. simplex, tenue, margine supero expanso, basali breviter reflexo, columellari leviter arcuato, subdilato, appresso. — Diam. maj. 30, min. 24, alt. 43 mill. (Coll. Nr. 476.)

*Helix* (Carocolla) *Reginae* Brod. in Proc. Zool. Soc. 1844. p. 36.

— *reginae* Chemn. ed. II. Helix N. 407. t. 68. f. 8—11.

*Carocolla reginae* Reeve Conch. syst. II. t. 167. f. 2.

β. Carina rufo-cingulata. (Mus. Cuming.)

Habitat in insula Zebu Philippinarum (Cuming).

Obs. Specimina juniora subperforata *H. smaragdina* Grat. Bord. XI. p. 405. t. 2. f. 26. 27 sistere videntur. — Praeterea conferatur Nr. 195: *H. viridis* (Vitulina) Quoy, forsan huc referenda?

783. *H. Gmeliniana* Pfr.

T. imperforata, globoso-depressa, solidula, irregulariter rugoso-malleata, carinata, nitida, pallide viridis, ad suturam et infra carinam albo-cingulata; spira subelevata, apice obtusa, albida; anfr.  $4\frac{1}{2}$  vix convexiusculi, sensim accrescentes, ultimus non descendens, basi planiusculus; apertura angulato-lunaris; perist. subincrassatum, margine supero breviter expanso, antrorsum arcuato, basali reflexo, columellari declivi, dilatato, albo-callosio — Diam. maj. 23, min. 20, alt. 13 mill. (Mus. Cuming.)

*Helix Gmeliniana* Pfr. in Proc. Zool. Soc. 1845. p. 43.

Habitat in insula Luzon (Cuming).

784. *H. Fibula (Carocolla)* Broderip.

T. imperforata, lenticularis, solida, acute carinata, oblique striatula, lutescenti-albida, utrinque fascia 1 latiuscula, virenti-spadicea, a carina remota, lineaque suturali castanea ornata; spira subelata; anfr.  $4\frac{1}{2}$  vix convexiusculi, ultimus antice breviter deflexus; apertura subhorizontalis, angulato-elliptica; perist. simplex, marginibus remotis, supero vix expanso, basali reflexo, appresso. — Diam. maj. 22, min. 19, alt. 11 mill. (Coll. Nr. 477.)

*Carocolla fibula* Brod. in sched. Cuming.

— — *Reeve* Conch. syst. II. t. 167. f. 5.

*Helix fibula* Phil. Icon. I. 4. p. 12. Helix t. 4. f. 8.

— — *Chemn.* ed. II. Helix N. 409. t. 69. f. 5—7.

— *bifasciata* var. Pfr. Symb. II. p. 24.

Habitat in insula Luzon (Cuming).

785. *H. Hügelii* Pfr.

T. imperforata, lenticularis, obtuse carinata, nitida, subtiliter striata, lineis concentricis confertis sub lente decussata, flavida, fascia alba ad carinam, viridi utrinque marginata ornata; spira vix elevata; anfr.  $4\frac{1}{2}$  vix convexiusculi, ultimus antice breviter descendens; apertura subhorizontalis, elliptica; perist. simplex, album, marginibus conniventibus, supero breviter reflexo, basali leviter arcuato, appresse reflexo. — R. a. = 5 : 9. — Diam. maj. 22, min. 18, alt. 10 mill. (Coll. Nr. 478.)

*Helix Hügelii* Pfr. Symb. III. p. 31.

— — *Chemn.* ed. II. Helix N. 411. t. 69. f. 8—14.

— *bifasciata* Pfr. Symb. II. p. 24.

— — *Phil.* Icon. I. 4. p. 78. Helix t. 4. f. 4.

*Carocolla bifasciata* Lea Philad. tr. 1844. p. 465. t. 12. f. 18  
Nec Burr.

$\beta$ . Omnino eadem, accedente linea rufa supra fasciam viridem, alteraque ad suturam: Phil. Icon. I. c. f. 3.

γ. Minor, vix carinata, fascia alba ad peripheriam et linea rufa hanc non attingente, alteraque suturali ornata, basi unicolor: Phil. l. c. f. 5 sup.

δ. Minima, vix angulata, ad peripheriam non albo-fasciata, lineis 3 rufis ornata: diam. maj.  $46\frac{1}{2}$ , min. 44, alt. 9 mill. Phil. l. c. f. 5 inf.

Habitat in insula Luzon (Cuming). In Museo Vindobonensi jamdudum allata a Cl. de Hügel.

Obs. Species pervariabilis, ad *H. fibulam* et *Hanleyi*, nec non ad *H. amoenam* (Nr. 708.) prope accedens, ab omnibus tamen in omnibus varietatibus constanter distincta.

786. *H. Hanleyi* Pfr.

T. imperforata, depressa, lenticularis, acute carinata, tenuis, diaphana, subtilissime decussata, nitida, sulphurea, ad suturam et carinam albo-fasciata; spira parum elevata; anfr. 4 subplanulati, ultimus antice angulatum deflexus, constrictus; apertura parvula, horizontalis, elliptica; perist. simplex, undique expansum et reflexum, marginibus fere contiguis, basali strictiusculo. — Diam. maj. 49, min. 15, alt. 9 mill. (Coll. Nr. 479.)

*Helix Hanleyi* Pfr. in Proc. Zool. Soc. 1845. p. 65.

— — *Chemn.* ed. II. *Helix* N. 440. t. 69. f. 45—48.

β. Superne nigricanti-purpurea, ad suturam et carinam albido-fasciata, basi lutescenti-albida, infra carinam rufo-unifasciata.

Habitat in insula Luzon (Cuming).

Obs. Primo aspectu differt a praecedentibus apertura parvula, peristomatibus marginibus fere contiguis, late reflexis.

787. *H. lugubris* Jan. †

T. subglobosa, depressiuscula, imperforata, carinata, olivaceo-brunnea, fasciis 2 fuscis perleviter zonata; apertura subovata; perist. marginatum, subreflexum, album. — Alt. 4, diam. 8 lin. Apert. diam. long. 4, transv. 5 lin. (Jan.)

*Helix lugubris* Jan Mantissa p. 4.

Habitat in America meridionali.

§. 58.

788. *H. Chemnitziana* Pfr.

T. imperforata, depressa, solida, superne radiatim plicato-malleata, undique granulosa, sub epidermide olivacea rufa, acute carinata; spira subelevata, obtusa; anfr. 5 plani, ultimus basi convexus; apertura subtriangularis, intus nitida, carnea; perist. carneum, margine supero subexpanso, basali reflexo, dente 4 valido munito, columellari stricto, dilatato, appresso, inaequaliter



pluridentato. — Diam. maj. 57, min. 46, alt. 26 mill. (Mus. Cuming.)

*Helix Chemnitziana* Pfr. in Proc. Zool. Soc. 1845. p. 43.

Habitat . . . ?

789. **H. imperator (Polydontes) Montfort.**

T. imperforata, depressa, carinata, oblique rugosa et striata, fusca, ad carinam pallide cingulata; anfr. 5 planiusculi; apertura lunato-rotundata; perist. valde incrassatum, callosum, subreflexum, album, intus dentibus 7 inaequalibus, obtusis instructum. — Diam. maj. 52, min. 43, alt. 28 mill. (Mus. Brit.)

*Helix imperator* (Helicodonta) Fér. pr. 112. Hist. t. 52. f. 4.

— — Wood suppl. t. 7. f. 50.

— — Pfr. Symb. III. p. 74.

— — Chemn. ed. II. Helix N. 402. t. 67. f. 6. 7.

*Polydontes imperator* Montf. II. p. 155. t. 39.

— — Bowd. elem. Conch. t. 7. f. 24.

— — Beck ind. p. 32.

β. Alba, dentibus aperturæ pluribus, irregularibus:

*Helix imperator* var. Fér. t. 52 B. f. 1—3.

— — var. Chemn. l. c. t. 67. f. 8.

Habitat in America meridionali (Beck).

790. **H. magica Férussac.**

T. imperforata, ovato-depressa, laevis, lutea, lineis et flammis rubris pulcherrime picta, superne cingulo nigro ornata; anfr. 5 convexusculi; apertura ovalis; perist. late reflexum, album, callosum, 11-dentatum, marginibus callo crasso junctis. — Diam. maj. 49, min. 38, alt. 28 mill. (ex ic.)

*Helix magica* (Helicodonta) Fér. hist. t. 54 A. f. 7—9.

Habitat . . . ? — Num revera in terrarum orbe existens?

791. **H. cepoides Lea.**

T. imperforata, subglobosa, tenuis, glabriuscula, ad suturam irregulariter striata, rufa, basi pallidior; spira conoidea; anfr. 7 tumidi; columella brevissima, albo-callosa, unidentata; apertura late lunaris, intus alba; perist. tenue, subreflexum. — R. a. = 7 : 8. — Diam. maj. 50, min. 46, alt. 42—45 mill. (Coll. Nr. 480.)

*Helix cepoides* Lea in Philad. tr. 1841. p. 462. t. 12. f. 14.

— — Sow. in Proc. Zool. Soc. 1840. p. 88.

— — Reeve Conch. syst. II. t. 164. f. 14.

— — Pfr. Symb. II. p. 25.

— — Chemn. ed. II. Helix N. 252. t. 44. f. 3. 4.,

— *dolium* Sow. ined.

*Columpica dolium* Hartm. Gast. I. p. 188. t. 67. f. 1. 2.

β. Unicolor, flavescens, infra peripheriam albido-unifasciata.

Habitat in insula Luban Philippinarum (Cuming).

792. *H. unidentata* Chemnitz.

T. imperforata, orbiculato-conoidea, striata, rugulis concentricis lineisque minutis oblique decussatis sculpta, rufa; spira brevis, obtuse conoidea; anfr. 6, summi planiusculi, ultimus ad peripheriam acute angulatus, basi convexus; columella breviter et valide truncato-dentata; apertura late lunaris, intus margaritacea; perist. superne expansum, basi reflexum, marginibus callo tenuissimo junctis. — Diam. maj. 48, min. 44, alt. 30 mill. (Coll. Nr. 481.)

*Helix unidentata* Chemn. XI. p. 273. t. 208. f. 2049. 50.

— — (Helicostyla) Fér. pr. 315. Hist. t. 104. f. 8. 9.

— — Lam. 32. p. 74. ed. Dh. p. 42.

— — Chemn. ed. II. Helix N. 6. p. IX et 30. t. 2. f. 6. 7.

— — Dufo in Ann. sc. nat. XIV. 1840. p. 499.

— *microdonta* Desh. Enc. méth. II. p. 266. N. 152.

— *ventricosa* Jan Mantiassa p. 4.

*Columpica uniplicata* Hartm. Gast. I. p. 187. t. 67. f. 3—5.

β. Pyramidata: diam. maj. 47, min. 40, alt. 36 mill. (Mus. Cuming.)

γ. Sinistrorsa; Fér. hist. t. 105. f. 4.

Habitat in insulis Seychellis (Dufo)! Erronea videntur loca natalia ab auctoribus citata: Cayenne (Chemn.), Guyana (Lam.), Jamaica (Jan).

Obs. Haec species et antecedens secundum affinitatem naturalem juxta H. Soderianam (Nr. 639.) locandae sunt.

793. *H. cepa* Müller.

T. imperforata, depresso-globosa, oblique irregulariter rugoso-striata, rufa, pallide fasciata; spira brevis; sutura levis; anfr. 4½, — 5 vix convexiusculi, ultimus subcarinatus, juxta aperturam a latere compressus, sulcoque elongato, intus plicam validam formante, instructus; apertura lunaris; perist. expansum, marginibus callo junctis, basali late calloso, unidentato. — Diam. maj. 44, min. 35, alt. 22 mill. (Mus. Cuming.)

*Helix cepa* Müll. verm. II. p. 94. N. 269.

— — (Helicodonta) Fér. pr. 115. Hist. t. 53 A. f. 2.

— — Lam. 33. p. 74. ed. Dh. p. 42.

— — Chemn. ed. II. Helix N. 52. t. 10. f. 9. 10.

— *impressa* Blainv. Dict. sc. nat. XX. p. 427.

*Cepolum Nicolsinianum* Montf. p. 151. t. 38.

*Pleurodonta cepa* Beck ind. p. 34.

β. Minor: diam. maj. 33, min. 27, alt.  $16\frac{1}{2}$  mill. (Coll. Nr. 482.)

*Helix cepa* Fér. t. 53 A. f. 4.

Habitat in insula Haiti.

Obs. Prorsus diversam censeo speciem delineatam in Fér. hist. t. 53 A. f. 3, quae non solum dente basali, sed etiam impressione laterali carere videtur.

#### 794. *H. lychnuchus* Müller.

T. imperforata, orbiculato-conoidea, solida, fusca, undique granulata; spira conoidea, obtusa; sutura linearis; anfr. 5 subplanulati, ultimus acute carinatus, antice subito deflexus, infra carinam profunde scrobiculatus; apertura subrhombea; perist. fuscum, incrassatum, marginibus callo crasso junctis, supero vix expanso, basali dilatato, reflexo, intus bidentato: dentibus intrantibus, antico multo validiore. — Diam. maj. 29, min. 26, alt. 45 mill. (Coll. Nr. 483.)

*Helix lychnuchus* Müll. verm. II. p. 81. N. 278 \*).

— — (Helicodonta) Fér. pr. 426. Hist. t. 56 A. f. 2—8.

— — Chemn. ed. II. *Helix* N. 349. t. 62. f. 43. 44.

*Carocolla lychnuchus* Lam. 12. p. 98. ed. Dh. p. 447.

*Pleurodonta lychnuchus* Beck ind. p. 33.

*Lucerna lychnuchus* Swains. Malac. p. 329.

*Lister* t. 96. f. 97.

Habitat in insulis Martinique, Guadeloupe.

Obs. Speciem descriptam ubique in Museis nomine *H. lychnuchi* Moll. designatam vidi, nec dubito, eam veram Mülleri speciem esse, etsi synonyma non exacte quadrent. — Cl. Beck iconem Chemnitzianam *H. lucernae* ad *lychnuchum* refert, quamvis Müllerus lucernam ex specimine Chemnitziano descripserit. (Conf. Nr. 822.)

#### 795. *H. granifera* Gray.

T. imperforata, orbicularis, depresso-conica, solida, pallide brunnea, granis minutis albis aspersa; spira convexa, obtusa; anfr. 5 convexiusculi, ultimus acute carinatus, antice deflexus, subgibbus, basi planus, vix scrobiculatus; apertura subhorizontalis, transverse triangulari-ovalis; perist. album, incrassatum, marginibus callo albo junctis, supero expanso, reflexiusculo, basali lato, strictiusculo, dentibus 2—3 non intrantibus munito. — Diam. maj. 28, min. 23, alt. 44 mill. (Coll. Nr. 484.)

*Helix granifera* Gray in Proc. Zool. Soc. 1834. p. 68.

— — Müll. synops. p. 9.

\*) T. imperforata, carinata, alba, trochiformi, fasciis fulvis; apertura transversa, bidentata. (List. t. 90. f. 90.) Diam. 44 lin. — Differt ab *H. lucerna* vertice, non anfractibus, depresso et fascia in superiore anfractus parte duplici, altera juxta marginem, altera juxta carinam, in inferiore infra carinam posita. (Moll. l. c.)

*Helix granifera* Chemn. ed. II. *Helix* N. 350. t. 62. f. 16. 17.

— *perplexa* Fér. hist. t. 56 A. f. 1. (Spec. min. detrit.)

*Pleurodonta granifera* Beck ind. p. 33.

Habitat vulgaris in India occidentali (Gray), in insulis Trinidad, Granada (Beck).

796. *H. sinuata* Müller.

T. imperforata, depresso-globosa, solida, undique elegantissime granulata, saturate castanea, pallide unifasciata, basi violascens; spira semiglobosa; anfr. 5 convexiusculi, ultimus carinatus, basi convexus, antice deflexus, valde constrictus et scrobiculatus; apertura horizontalis, angustissime lunaris; perist. subincrassatum, marginibus callo junctis, supero expanso, basali quadridentato: dentibus compressis, intrantibus. — Diam. maj. 26, min. 22, alt. 16 mill. (Coll. Nr. 485.)

*Helix sinuata* Müll. verm. II. p. 18. N. 247.

— — Chemn. IX. P. 2. p. 91. t. 126. f. 1110—12.

— — (Helicodonta) Fér. pr. 116. Hist. t. 54. f. 1.

— — Lam. 50. p. 79. ed. Dh. p. 48.

— — Chemn. ed. II. *Helix* N. 51. t. 10. f. 5. 6. t. 20. f. 12—14.

*Dentellaria sinuata* Schumach. p. 230.

*Pleurodonta sinuata* Beck ind. p. 34.

*Lucerna sinuata* Swains. Malac. p. 329.

Lister t. 97. f. 98.

† Depressior, maculis fulguratis cinereis ornata, perist. magis incrassato: diam. maj. 26, min. 23, alt. 13 mill. (Spec.)

*Helix sinuata* Born Mus. p. 370. t. 14. f. 13. 14.

— — Deless. recueil t. 26. f. 10.

— — var. Chemn. ed. II. *Helix* t. 15. f. 5. 6.

— *sinuosa* Gmel. p. 3622. N. 163.

— — Fér. pr. 117. Hist. t. 54. f. 3.

Habitat in insula Jamaica.

Obs. Rarissime occurrunt specimina aperte umbilicata.

797. *H. Bronni* Pfr.

T. imperforata, semiglobosa, striatula, sub lente punctata, nitidula, castanea, apice obtuso pallida; anfr. 5 vix convexiusculi, ultimus obsolete carinatus, basi planiusculus, granulatus, coerulescenti-albidus, infra carinam fascia 1 castanea ornatus, antice deflexus, profunde scrobiculatus; apertura subhorizontalis, elliptico-oblonga; perist. late incrassatum, marginibus callo tenui junctis, basali dilatato, reflexo, fusco-maculato, intus 4-dentato:

dentibus 2 anticis majoribus, compressis, a margine remotis. — Diam. maj. 25, min. 21, alt. 15 mill. (Coll. Nr. 486.)

*Helix Borni* Fér. in Proc. Zool. Soc. 1845. p. 131.

— — Chemn. ed. II. Helix N. 80. t. 13. f. 9. 10.

— *sinuata* var. Fér. hist. t. 54. f. 2.

Habitat in insula Jamaica (Adams).

Obs. Differt ab *H. sinuata* testa semiglobosa, gibbriuscula, colore castaneo et dentibus anticis minoribus, anticis profundioribus, approximatis basi junctis, exius sero baculum continens formantibus.

#### 798. *H. punctata* Born.

T. imperforata, conoideo-globosa, solida, oblique antrorsum plicatulo-striata, castanea, zona pallida circumdata; spira obtuse conoidea; anfr. 5; carinati, ultimus teres, basi inflatus, antice subito deflexus, superne gibbus et constrictus; apertura obliqua, lunaris, ringens; perist. fusco-aurantium, crassum, marginibus callo lato, dentem magnum, obliquum emittente, junctis, supero brevi, stricto, dextro bidentato, basali dentem 1 majorem et minores nonnullos gerente. — Diam. maj. 23, min. 21, alt. 18 mill. (Coll. Nr. 487.)

*Helix punctata* Born test. p. 372. t. 14. f. 17. 18.

— — Chemn. ed. II. Helix N. 122. t. 21. f. 6. 7.

— *nuc. denticulata* Chemn. XI. p. 275. t. 209. f. 2055. 56.

— — — (Helicodonta) Fér. pr. 93. Hist. t. 49. f. 3. 4.

— — — Sow. Conch. Man. f. 273.

— *hippocastanum* Lam. Journ. d'hist. nat. t. 42. f. 3.

— — Lam. 54. p. 79. ed. Dh. p. 49.

— — Küst. in ind. fascic. 44 ed. nov. Chemn.

*Dentellaria hippocastanum et punctata* Beck ind. p. 34. 35.

*Lucernella hippocastanum* Swains. Malac. p. 330.

β. Major: diam. maj. 30, min. 26, alt. 18 mill. (Mus. Cuming.)

Habitat in insula Martinique.

#### 799. *H. nucleola* Rang.

T. imperforata, globosa, solida, fusco-nigrescens, striata: spira semiglobosa; sutura linearis; anfr. 5, summi plani, ultimus teres, antice deflexus, basi constrictus; apertura perobliqua, ringens, late lunaris; perist. incrassatum, marginibus callo crasse, dentem triangularem emittente, junctis, dextro brevi, basali valde dilatato, denticulato. — Diam. maj. 18, min. 16, alt. 12 mill. (Coll. Nr. 488.)

*Helix nucleola* Rang in Guér. mag. 1834. t. 57.

— — Lam. ed. Dh. 249. p. 132.

— — Chemn. ed. II. Helix N. 353. t. 62. f. 5—7

*Helix nux denticulata*  $\beta$  Fér. t. 49. f. 1.

*Dentellaria nucleola* Beck ind. p. 34.

Habitat in insulae Martinique monte « Pelée » (Rang).

**800. *H. obesa* Beck.**

T. imperforata, depressa, solida, striata, superne saturate rufa, subtus virenti-lutea; anfr.  $5\frac{1}{2}$  planiusculi, ultimus obsolete angulatus; apertura obliqua, transverse lunaris, coarctata; perist. late incrassatum, marginibus callo crasso, ad insertionem marginis dextri tuberculum prominens formante, junctis, supero brevissimo, basali subbidentato. — Diam. maj. 23, min. 20, alt. 13 mill. (Coll. Nr. 489.)

*Dentellaria obesa* Beck ind. p. 35. (ex synon.)

*Helix punctata* Fér. hist. t. 48. f. 3. Nec Born.

— — Desh. Enc. méth. II. p. 255. N. 425.

— *obesa* Chemn. ed. II. Helix N. 352. t. 62. f. 3. 4.

Lister t. 87. f. 88. (*H. ringens*  $\delta$ ? Gmel.)

Habitat in insulis Martinique, Guadeloupe.

**801. *H. dentiens* Férussac.**

T. imperforata, subglobosa, solida, oblique striata, nigrescenti-fusca; sutura linearis; anfr. 5 planiusculi, ultimus subangulatus, antice gibbus; apertura subhorizontalis, coarctata, transverse oblonga; perist. late incrassatum, marginibus callo junctis, supero introrsum dilatato, basali irregulariter denticulato. — Diam. maj. 23, min. 20, alt. 13 — 14 mill. (Coll. Nr. 490.)

*Helix dentiens* (Helicodonta) Fér. pr. 88. Hist. t. 48. f. 2. t. 49 A. f. 2.

— — Wood suppl. t. 7. f. 48.

— — Lam. ed. Dh. 474. p. 444.

— — Chemn. ed. II. Helix N. 84. t. 45. f. 44 — 43.

*Dentellaria dentiens* Beck ind. p. 35.

Habitat in insulis Martinique, Guadeloupe, Cayenne.

**802. *H. Isabella* Férussac.**

T. orbiculato-convexa, depressiuscula, imperforata, glabra, pallide rufa; spira obtusa; apertura angustata, marginibus connexis, rufis; labrum extus marginatum. — Diam.  $9\frac{1}{2}$  lin. (Lam.) — Coll. Nr. 494 ?

*Helix Isabella* (Helicogena) Fér. pr. 87. Hist. t. 47. f. 2.

— — Chemn. ed. II. Helix N. 48. t. 40. f. 4. 2 ?

— *barbadensis* Lam. 49. p. 78. ed. Dh. p. 48.

*Dentellaria barbadensis* Beck ind. p. 35.

*Lucidula barbadensis* Swains. Malac. p. 329.

Habitat in insula Barbados.

Obs. Nonne var. *H. dentiens* ?

803. *H. formosa* Férussac.

T. imperforata, semiglobosa, castanea, fasciis fulvis et strigis obliquis, denticulatis, stramineis vel albidis ornata; anfr.  $4\frac{1}{2}$  planiusculi, ultimus antice subito deflexus, basi granulosus; apertura subhorizontalis, angusta, ovalis, intus fulva; perist. infundibuliforme, marginibus acutis, continuis, solutis, supero expanso, columellari introrsum dilatato, incrassato, late dentato. — Diam. maj. 24, min. 20, alt. 13 mill. (Coll. Nr. 492.)

*Helix formosa* (Helicogena) Fér. prodr. p. 67.

— — Wood suppl. t. 7. f. 4.

— — Pfr. Symb. II. p. 28.

— — Chemn. ed. II. Helix N. 82. t. 15. f. 14—16.

— *lenocinia* Fér. pr. 83. Hist. t. 47. f. 4.

*Dentellaria formosa* Beck ind. p. 34.

β. Albida, fasciis 2 rufis ornata. (Mus. elect. Cassell.)

Habitat . . . ?

804. *H. parilis* Férussac.

T. imperforata, depresso-globosa, nitida, striis minutissimis, confertissimis longitudinalibus et obliquis reticulata, castanea, maculis et flammulis stramineis varie picta; spira obtusissima; anfr. 4 planiusculi, ultimus prope aperturam rugosus, vix descendens; apertura perobliqua, angusta, ringens; perist. incrassatum, griseo-violacescens, marginibus callo junctis, dextro ad insertionem et in medio tuberculifero, basali obsolete serrato-denticulato. — Diam. maj. 18, min. 16, alt. 10 mill. (Coll. Nr. 493.)

*Helix parilis* (Helicodonta) Fér. pr. 92. Hist. t. 49. f. 2.

— — Wood suppl. t. 7. f. 49.

— — Pfr. Symb. I. p. 37.

— — Chemn. ed. II. Helix N. 354. t. 62. f. 8—10.

*Dentellaria parilis* Beck ind. p. 34.

Lister t. 74. f. 74.

Habitat in insula Guadeloupe.

805. *H. pseudo-parilis* Grateloup. †

T. orbiculato-convexa, subdepressa, imperforata, virescenti-nitida, maculis fuscis luteolisque adspersa; apertura obliqua, trigona, simplex; labrum incrassatum, subreflexum, caerulescente-album; spira obtusissima; anfr. 4. — Alt. 10, diam. 18 mill. (G.)

*Helix pseudo-parilis* Grat. Bord. XI. p. 403. t. 1. f. 17. 18.

— *parilis* var. Grat. ibid. p. 463.

Habitat in Brasilia (Grat.).

Obs. Num forma juvenilis praecedentis, peristomate nondum perfecto?

806. *H. nigrescens* Wood.

T. imperforata, globulosa, oblique rugosa, saturate fusca; anfr.  $4\frac{1}{2}$  convexiusculi, ultimus ventrosus, obsolete angulatus, prope aperturam scrobiculatus; apertura subverticalis, lunaris; perist. subexpansum, incrassatum, marginibus callo lato, juxta insertionem dentem validum, compressum, intrantem emittente junctis, basali inaequaliter bidentato. — Diam. maj. 20, min. 16, alt. 12 mill. (Coll. Nr. 494.)

*Helix nigrescens* Wood suppl. t. 7. f. 32.

— — Chemn. ed. II. H. Helix N. 50. t. 10. f. 15. 16.

— *fuliginea* (Helicodonta) Fér. pr. 120 et Mus.

— — Pfr. Symb. I. p. 37.

*Dentellaria globularis* Schum. p. 230. (Favanne 64. C. 4 ?) teste Beck.

— *fuliginea* et *nigrescens* Beck ind. p. 35.

β. Minor: diam. maj. 16, min.  $13\frac{3}{4}$ , alt. 10 mill. (Spec.)

γ. Fusco-viridis: diam. 15, alt. 10—12 mill.

*Helix fuliginea* var. Grat. Bord. XI. p. 403. t. 1. f. 15.

Habitat in insula Guadeloupe.

807. *H. pachygastra* Gray.

T. imperforata, depresso-globosa, oblique striata, saturate fusca; anfr. 5 vix convexiusculi, ultimus ventrosus, obsolete angulatus, extus scrobiculatus; apertura obliqua, rhombico-lunaris, coarctata; perist. incrassatum, marginibus callo lato, prominente junctis, basali bidentato: dente minore prope columellam, altero linguiformi intrante, marginem non attingente. — Diam. maj. 20, min. 17, alt.  $14\frac{1}{2}$  mill. (Coll. Nr. 495. Spec. max.)

*Helix pachygastra* Gray in Proc. Zool. Soc. 1834. p. 68.

— — Müll. synops. p. 10.

— — Chemn. ed. II. H. Helix N. 49. t. 10. f. 3. 4.

— *dolata* (Helicodonta) Fér. pr. 119 et Mus.

— — Pfr. Symb. I. p. 37.

*Dentellaria dolata* Beck ind. p. 35.

Habitat in insula Guadeloupe.

808. *H. badia* Férussac.

T. imperforata, semiglobosa, fusco-nigrescens, striata, sub lente confertissime punctata; anfr. 5 convexiusculi, ultimus subcarinatus, basi planiusculus, antice gibbus, subito deflexus; apertura subhorizontalis, transverse oblonga; perist. atro-fuscum, subincrassatum, basi reflexum, marginibus callo funiculato junctis, basali bidentato: dentibus inaequalibus, in ipso margine positis. — Diam. maj.  $17\frac{1}{2}$ , min.  $15\frac{1}{2}$ , alt.  $10\frac{1}{2}$  mill. (Coll. Nr. 496.)

*Helix badia* (Helicodonta) Fér. pr. 124. Hist. t. 56. f. 1—4.

— — Lam. ed. Dh. 171. p. 109.



*Helix badia* Chemn. ed. II. Helix N. 366. t. 63. f. 7—10.

*Dentellaria badia* Beck ind. p. 35.

*Lister* t. 74. f. 73.

β. Minor, perist. albo: diam. maj. 16, min. 14½, alt. 8½ mill. (Spec.)

Habitat in insulis Martinique, Guadeloupe; Cayenne.

#### 809. *H. Josephinae* Férussac.

T. imperforata, orbiculato-convexa, subdepressa, eleganter granuloso-striata, virescenti-lutea, fulvo-fasciata, maculis flavis ornata; anfr. 4½ planiusculi, ultimus antice subito deflexus; apertura perobliqua, elliptica; perist. album, superne simplex, expansum, marginibus callo tenui junctis, basali reflexo, calloso, inaequaliter bidentato, dente majore extus scrobiculum formante. — Diam. maj. 26, min. 23, alt. 11 mill. (Coll. Nr. 497.)

*Helix Josephinae* (Helicodonta) Fér. pr. 125. Hist. t. 56. f. 9. 10.

— — *Lam.* ed. Dh. 175. p. 111.

— — *Chemn.* ed. II. Helix N. 355. t. 62. f. 11. 12.

*Carocolla scabrella* Menke catal. Malsb. p. 5.

*Pleurodonta Josephinae* Beck ind. p. 33.

β. Unicolor lutescens vel virens, maculi basali castanea: Fér. t. 56. f. 5—8.

Habitat in insula Guadeloupe.

#### 810. *H. barbadiensis* (Carocolla) Guilding. †

T. solida, transversim plicata, ferrugineo-fusca, fascia angusta, flavida; labiis crassis, sordido-lividis; dentibus obsoletioribus. — Junioris testa acuta, adultae solida, rotundata, adiapana. (G.)

*Carocolla barbadiensis* Guild. in Zool. Journ. IV. p. 167.

*Helix Guildingii* Pfr. Symb. II. p. 81.

β. Pallida, flava.

Habitat copiosissime sub lapidibus Barbadiensibus (Guild.).

O bs. Specimina vidi nonnisi incompleta in Museo Britannico.

\* \* \*

#### 811. *H. aspera* Férussac.

T. imperforata, transverse pyriformis, solida, undique confertim et irregulariter granosa, alba; spira brevis, obtusa, strigis nonnullis rufis fulgurata; anfr. 4 planulati, rapide accrescentes, ultimus obsolete angulatus, turgidus, a latere subcompressus, antice deflexus; apertura angusta, transverse ovalis, intus nitida, fauce castaneo-fulva; perist. valde incrassatum, reflexum, marginibus callo junctis, supero repando, basali dilatato, prope colu-

mellam bidentato, aetate calloso, bisinuoso. — Diam. maj. 52, min. 36, alt. 32 mill.

*Helix aspera* (Helicogena) Fér. pr. 77. Hist. t. 44. f. 1 — 3.

— — Lam. ed. Dh. 173. p. 110.

— *granosa* Wood suppl. t. 7. f. 45.

*Dentellaria aspera* Beck ind. p. 35.

*Thelidomus asper* Swains. Malsc. p. 330.

Lister t. 94. f. 95.

♂. Minor: margine peristomatis basali regulariter et eleganter quadridentato, anfractu ultimo interdum costis pluribus obsolete angulato: diam. maj. 48, min. 34, alt. 26 mill. (Coll. Nr. 498.)

*Helix aspera* var. Fér. hist. t. 46 A. f. 10.

— — Chemn. ed. II. Helix N. 348. t. 62. f. 1. 2.

Habitat in insula Jamaica.

### 812. *H. platyodon* Pfr.

T. imperforata, depresso-turbinata, minutissime granulato-striata, alba, fasciis fuscis albo-guttatis ornata; spira elevata, obtusiuscula; anfr. 6 vix convexiusculi, ultimus basi subplanulatus, antice deflexus; apertura perobliqua, lunato-ovalis, intus alba; perist. late expansum, reflexum, marginibus callo albo junctis, columellari per dilatato, appresso, dente lato compresso munito. — Diam. maj. 30, min. 26, alt. 19 mill. (Mus. Cuming.)

*Helix platyodon* Pfr. in Proc. Zool. Soc. 1845. p. 132.

— — Phil. Icon. II. 41. p. 83. Helix t. 7. f. 1.

— — Chemn. ed. II. Helix N. 370. t. 63. f. 11. 12.

Habitat . . . ?

### 813. *H. denticulata* Jay. †

T. imperforata, subglobosa, straminea, glabra, apice obtusa; anfr. 4½ convexiusculi; sutura brunneo-notata; columella intus dilatata denticulata; perist. reflexum, album, rufo-marginatum. — Diam. 30, alt. 24 mill. (Jay.)

*Helix denticulata* Jay catal. 1839. p. 114. t. 1. f. 21.

Habitat . . . ?

### 814. *H. exceptiancula* Férussac.

T. imperforata, depresso-globosa, glabra, alba, fasciis rufis, nigricantibus et flavis vario cingulata; spira subelevata, apice depressa, plana; anfr. 5 convexi, ultimus antice inflatus, ad aperturam perobliquam, lunato-rotundatam subconstrictus; perist. album, tenue, late reflexum, marginibus conniventibus, columel-

lari intus dente prominente instructo. — Diam. maj. 27, min. 24, alt. 46 mill. (Mus. Cuming. Spec. max.)

*Helix exceptiuncula* (Helicella) Fér. pr. 176. Hist. t. 70. f. 4.  
t. 73 A. f. 4.

— — Pfr. Symb. III. p. 75.

— — Chemn. ed. II. Helix N. 453. t. 76. f. 1—3.

*Planispira exceptiuncula* Beck ind. p. 29.

β. Minor: diam. maj. 22, min. 16½, alt. 42 mill. (Mus. Cuming.

Habitat in Archipelago insul. austral. (Beck.)

Obs. Cl. Férussac hanc speciem ob affinitatem naturalem cum *H. zonaria* etc. *Helicellis* adnumerat, quamvis umbilicus (apertus) non adsit.

### 815. *H. malleata* Férussac.

T. subglobosa, subtus convexa, imperforata, striis exilissimis subdecussata, lutescens, zonis fasciisque virentibus ornata; spira brevis, conoidea; labrum album, reflexum, superne bidentatum, extus costa carinata instructum. — Diam. 6½ lin. (Lam.)

*Helix malleata* (Helicodonta) Fér. pr. 94. Hist. t. 48. f. 4.

— — Webb et Berth. syn. p. 342.\*)

— — Orb. canar. p. 54. t. 1. f. 45—47.

— — Chemn. ed. II. Helix N. 354. t. 64. f. 7—9.

— *bidentalis* Lam. 52. p. 79. ed. Dh. p. 50.

*Dentellaria bidentalis* Beck ind. p. 35.

β. T. depresso-globosa, solidiuscula, confertim granulato-striata, virenti-fulva, fasciis saturate castaneis ornata: anfr. 4½ vix convexiusculi, ultimus inflatus, antice breviter deflexus; apertura perobliqua, obtuse triangularis; perist. fusco-carneum, incrassatum, breviter reflexum, margine dextro ad insertionem obsolete, in medio valide tuberculato, basali strictiusculo, introrsum dilatato, calloso. — Diam. maj. 24½, min. 18, alt. 43 mill. (Coll. Nr. 499.)

*Helix malleata* var. Chemn. l. c. t. 64. f. 40. 44.

Habitat in insulis Canariis, Teneriffa.

Obs. Permulta vidi specimina varietatis β, nec unquam var. α. Num vera eadem species?

### 816. *H. monodonta* Lea.

T. imperforata, depresso ovata, opaca, glabra, nitida, albida, fusco-bifasciata vel multilineata; spira brevis; anfr. 4 convexiusculi, rapide accrescentes, ultimus obsolete angulatus, antice subito valde deflexus; apertura subhorizontalis, transverse lunato-ovalis, intus sublabiata; perist. simplex, expansum, margine basali re-

\*) T. subglobosa, crassa, solida, striata, punctis excavatis notata, olivacea, obsolete fasciata; apertura subovata; perist. crassum, 3 dentatum, album; umbilicus clausus. — Axis 8, diam. 44 lin. Anfr. 5. (W. et B. l. c.)

flexiusculo, columellari dilatato, excavato, introrsum unidentato.  
— Diam. maj.  $4\frac{1}{2}$ , min.  $9\frac{1}{2}$ , alt. 7 mill. (Coll. Nr. 500.)

*Helix monodonta* Lea obs. I. p. 165. t. 19. f. 62.

— — Chemn. ed. II. Helix N. 367. t. 63. f. 1—4.

β. Unicolor, carneo-fulva. (Spec.)

Habitat in insula Haiti. (Mke in Zeitschr. f. Mal. 1845. p. 61.)

### §. 59.

#### 817. *Hel. acuta* Lam.

T. obtecte perforata, discoidea, utrinque convexa, solida, fulva, minutim granulosa; anfr.  $5\frac{1}{2}$  planiusculi, ultimus convexus, carinatus; apertura fere horizontalis, late lunaris; perist. simplex, marginibus callo junctis, supero parum expanso, basali subrecto, late reflexo, bidentato. — R. a. = 11 : 14. — Diam. maj. 45, min. 38, alt. 22 mill. (Coll. Nr. 504.)

*Helix acuta* Lam. Enc. méth. t. 462. t. 4.

— — Chemn. ed. II. Helix N. 369. t. 63. f. 13. 14.

— *Lamarckii* (Helicodonta) Fér. pr. 129. Hist. t. 57. f. 4.

— — Griff. anim. kingd. t. 36. f. 5.

*Pleurodonta Lamarckii* Beck ind. p. 33.

*Carocolla Lamarckii* Villa disp. p. 49.

β. Anfractu ultimo depresso, supra carinam acutissimam excavato, marginibus ruguloso: diam. maj. 60, min. 54, alt. 24 mill. (Mus. Cuming.)

*Helix Lamarckii* var. Fér. hist. t. 57. f. 3.

— *acutissima* Desh. Enc. méth. II. p. 261. N. 140.

*Carocolla acutissima* Lam. 1. p. 95. ed. Dh. p. 143.

— — Swains. Zool. Ill. II. t. 96. (c. anim.)

*Pleurodonta acutissima* Beck ind. p. 33.

*Lucerna acutissima* Swains. Malac. p. 329.

γ. Monstrosa, anfractu tertio exserto, acute carinato:

*Helix heteroclites* Lam. 34. p. 74. ed. Dh. p. 43.

— *Lamarckii* var. Fér. t. 57. f. 2.

Habitat in insula Jamaica.

#### 818. *Hel. Bainbridgii* Pfr.

T. obtecte umbilicata, depressa, subdiscoidea, solida, undique granulata, cinnamomea vel violacescens, basi pallidior; spira vix elevata, obtusa; anfr. 5 —  $5\frac{1}{2}$  plani, ultimus rotundatus, ad peripheriam saepe albo-zonatus, basi convexiusculus; apertura perobliqua, lunato-subtriangularis, intus nitida, carnea; perist. subincrassatum, fusco-carneum, marginibus callo junctis, supero late expanso, basali reflexo, subappresso, dente unico, valido, complanato instructo, columellari per dilatato, umbilicum medio-

crem obturante. — Diam. maj. 64, min. 50, alt. 30 mill. (Coll. Nr. 502.)

*Helix Bainbridgei* Pfr. in Proc. Zool. Soc. 1845. p. 44.

— — Chemn. ed. II. Helix N. 368. t. 63. f. 5. 6.

— *Lamarckii* var. *unident.* Fér. hist. t. 58. f. 1. 2.

Habitat in Demerara (Bainbridge).

Obs. Variat umbilico semiaperto. (Mus. Cuming.)

#### 819. *H. peracutissima* Adams. †

T. magna, imperforata, lenticularis, subtenuis, fusca, exile sagrinata; anfr. 5, inferi supra concavi, ultimus medio in angulum acutissimum, lamelliformem expansus, subtus convexus; apertura perdepressa, infra *H. sinuatae* Müll. similiter 4-dentata; labrum medio acute angulatum. — Div. 140°. Alt. 0,6, lat. max. 4,6, lat. min. 1,43 poll. (Ad.)

*Helix peracutissima* Adams in Bost. Proc. 1845. p. 15.

Habitat in insula Jamaica.

#### 820. *H. Martiniana* Pfr.

T. obtecte perforata, discoidea, acute carinata, solida, striata et minutissime granulata, olivaceo-fusca; spira depressa; anfr. 3 planulati, ultimus non descendens, basi inflatus, antice profunde scrobiculatus; apertura depressa, late angulato-lunaris, intus lactea; perist. album, incrassatum, marginibus callo tenui junctis, supero expanso, basali reflexo, dentibus 2 conjunctis, columellari dilatato, dentibus 2 inaequalibus armato. — Diam. maj. 34, min. 30, alt. 14 mill. (Mus. Cuming.)

*Helix Martiniana* Pfr. in Proc. Zool. Soc. 1845. p. 44.

Habitat in insula Jamaica (Attanasio).

Obs. An forte eadem ac praecedens? — Variat testa subperforata. — Conf. *H. Schroeteriana* (Nr. 1045).

#### 821. *H. Okeniana* Pfr.

T. obtecte perforata, orbicularis, utrinque convexiuscula, obtuse carinata, undique regulariter granulata, superne fusca, basi pallida; anfr. 5½, rotundato-planati, ultimus antice deflexus, basi profunde biscrobiculatus; apertura subhorizontalis, elliptica, coarctata; perist. carneo-fuscum, incrassatum, marginibus callo junctis, supero expanso, basali reflexo, tridentato: dentibus aequidistantibus, 2 minoribus prope columellam, tertio majore superne sulcato. — Diam. maj. 37, min. 30, alt. 17 mill. (Mus. Cuming.)

*Helix Okeniana* Pfr. in Proc. Zool. Soc. 1845. p. 63.

Habitat in insula Jamaica: Savannah la Mar (Attanasio).

822. *H. lucerna* Müller.

T. oblecte perforata, orbicularis, glabriuscula, supra convexo-plana, fusco-violacea vel pallide fulvescens, subtus inflata, albida, obsolete fulvo-cingulata, minutissime granulata; spira brevissima; sutura linearis, marginata; anfr. 5 planulati, ultimus convexus, obtuse carinatus, antice vix descendens; apertura lato lunaris; perist. simplex, marginibus callo tenuissimo junctis, supero expanso, subincrassato, columellari brevi, dilatato, perforationem tegente, basali reflexo, calloso, bidentato: dentibus fere aequalibus, compressis, parum intrantibus. — Diam. maj. 32, min. 28, alt. 46 mill. (Coll. Nr. 503.)

*Helix lucerna* Müll. verm. II. p. 43. N. 212. \*)

— — Chemn. IX. P. 2. p. 90. t. 426. f. 4108. 9!

— — (Helicodonta) Fér. pr. 128. Hist. t. 56 B. f. 4. 6. 7.

— — Chemn. ed. II. Helix N. 124. t. 20. f. 8. 9. t. 62. f. 15.

— *lychnuchus* Küst. in ind. fasc. 32.

*Caprinus recognitus* Montf. p. 443. t. 36.

*Carocolla lucerna* Lam. 5. p. 97. ed. Dh. p. 145.

— — Jay catal. 1839. p. 54.

*Pleurodonta lucerna* Beck ind. p. 33.

List. t. 90. f. 90.

β. Spira elatiore, basi planiore:

*Helix lucerna* var. Fér. hist. t. 56 B. f. 4—3.

— *Julia* Fér. olim.

*Carocolla Julia* Gray in Ann. of Phil. New ser. IX. p. 442.

γ. Straminea, acute carinata: diam. 37, alt. 47 mill.

*Helix lucerna* Fér. hist. t. 56 B. f. 5.

δ. Minima: diam. maj. 47, min. 45, alt. 8 mill. (Spec.)

Habitat in insula Jamaica.

Obs. Conf. *H. lychnuchus* Müll. (Nr. 794.)

823. *H. calomorpha* Jonas. †

T. imperforata, orbiculata, tenuiuscula, supra convexa, castanea, subtus turgida, albescens; spira obtusa; anfr. 6 plani, tenuiter oblique striati, strii elegantissime granulosi; anfr. ultimus obtuse angulatus: angulo fascia alba circumdato; apertura effusa, subquadrangularis; labrum castaneum, valde expansum, reflexum,

\*) T. imperforata, carinata, alba, supra planiuscula, subtus gibba; apertura transversa, bidentata. — Diam. 48 lin. — Testa alba, absque omni stria, subtus elevatior, pone aperturam sinuata. Anfractus valde depressi. Centrum clausum labro aperturae. Haec transversalis margine labii reflexo, introrsum dentibus 2 notato, extrorsum sinuato. In Mus. Chemnitz. (Müll. l. c.)

juxta axin incrassatum, inferne dente albo instructum. (Jon.) — Diam. maj. 62, min. 53, alt. 35 mill. (ex ic.)

*Helix calomorpha* Jonas in Wiegmann. Arch. 1839. I. p. 344. t. 10 f. 3. 4.

Habitat . . . ?

Obs. Conf. H. Oreas Koch (Nr. 1044).

\* \* \*

#### 824. *H. zuleta* Say.

T. obtecte perforata, depresso-globosa, confertissime costulato-striata, flava; spira parum elata vel depressiuscula; anfr. 5½, convexiusculi; apertura rotundato-lunaris; perist. angulatim late reflexum, intus album, nitidum, callosum, marginibus callo tenuissimo, dentem compressum, linguiformem, oblique intrantem emittente junctis, columellari brevi, arcuato, dilatato. — Diam. maj. 28, min. 23, alt. 17 mill. (Coll. Nr. 504.)

*Helix zuleta* Say. Binn. in Bost. journ. I. p. 492. t. 20.

— — Chemn. ed. II. Helix N. 53. t. 10. f. 19. 20.

— *albolabris* var. Fér. hist. t. 46 A. f. 6.

— — ♂ Pfr. Symb. II. p. 22.

Habitat in America boreali: Ohio, Missouri, etc.

Obs. Pro varietate *H. albolabris* (Conf. Nr. 757.) non sine jure haberi potest.

#### 825. *H. palliata* Say.

T. obtecte perforata, depressa, tenuis, fusco-cornea, granulato-striata; spira vix elevata; anfr. 5 subplanulati, ultimus obtuse angulatus, antice paululum descendens; apertura coarctata, subtriangularis; perist. tenue, angulato-reflexum, intus bidentatum: dente 1 in margine dextro, altero transverso in basali; paries aperturalis dente tertio linguiformi munitus. — Diam. maj. 24, min. 18, alt. 10 mill. (Coll. Nr. 505.)

*Helix palliata* Say in Philad. journ. II. p. 152.

— — Binn. in Bost. journ. III. p. 353. t. 7.

— — Chemn. ed. II. Helix N. 374. t. 63. f. 15. 16.

— *denotata* (Helicodonta) Fér. pr. 102. Hist. t. 49 A. f. 5.

— — Lam. ed. Dh. 184. p. 115.

— *notata* Desh. in Enc. méth. II. 48.

— *caroliniensis* Lea obs. I. p. 112. t. 15. f. 33.

*Tridopsis palliata* Beck ind. p. 22.

Habitat in America boreali: Illinois et prope cataractam Niagara (Say), frequentissima in provinciis occidentalibus (Binn.).

**826. *H. obstricta* Say.**

T. obtecte perforata, depressa, costulato-striata, epidermide nuda, pallide fusca vestita; spira planiuscula; anfr. depressi, ultimus basi convexus, acute carinatus: carina prominente; apertura obliqua, subtriangularis, dente linguiformi, arcuatim intrante parietis aperturalis coarctata; perist. tenue, late expansum, intus late albo-callosum, margine supero valide unidentato, basali stricto, dilatato, reflexo, obsolete unidentato. — Diam. maj. 26, min. 22, alt. 11 mill. (Mus. Cuming.)

*Helix obstricta* Say in Philad. journ. II. p. 154.

— *denotata* var. Fér. hist. t. 50 A. f. 7.

*Carocolla helicoides* Lea obs. I. p. 113. t. 15. f. 34.

Habitat in America boreali: Ohio (Say).

Obs. *Peraffinis* *H. palliatae*. Num ejus varietas habenda?

**827. *H. appressa* Say.**

T. obtecte perforata, orbiculato-depressa, pellucida, costulato-striata, corneo-lutescens; spira planulata; anfr. 5 superne planulati, ultimus obtuse angulatus (angulo antice evanescente), antice constrictus; apertura coarctata, subtriangularis; perist. angulatim late reflexum, intus callosum, marginibus callo tenui, dentem linguiformem, oblique intrantem emittente, junctis, dextro et basali strictiusculo obsolete dentatis. — Diam. maj. 18, min. 15, alt. 8 mill. (Coll. Nr. 506.)

*Helix appressa* Say in Philad. journ. II. p. 154.

— — *Binn.* in Bost. journ. III. p. 356. t. 8.

— — *Chemn.* ed. II. *Helix* N. 372. t. 63. f. 17. 18.

— *linguifera* (Helicodonta) Fér. pr. 95. Hist. t. 49 A. f. 3.

— — *Lam.* 93. p. 90. ed. Dh. p. 70.

*Tridopsis appressa* Beck ind. p. 22.

Habitat in America boreali: Ohio et Missouri.

**828. *H. dentifera* Binney. †**

T. obtecte perforata, superne depressa, subtus convexa, oblique subtiliter striata, unicolor luteo-cornea; anfr. 5 vix convexiusculi; apertura coarctata, lunaris; perist. album, late et abrupte reflexum; paries aperturalis dente prominente albo instructus. — Diam. 21, alt. 10 mill. (B.)

*Helix dentifera* Binn. in Bost. journ. I. p. 495. t. 21.

Habitat in America boreali: Vermont.

**829. *H. elevata* Say.**

T. obtecte perforata, subglobosa, oblique striata, sub epidermide lutescente alba; spira elevata, turbinata; anfr. 7 convexius-



culi, ultimus inflatus; apertura subtriangularis; perist. latum, intus album, labiatum, marginibus callo tenui, dentem validum, linguiformem emittente junctis, dextro expanso, basali strictiusculo. reflexo, columellari dilatato. — Diam. maj. 25, min. 20, alt. 17 mill. (Coll. Nr. 507.)

*Helix elevata* Say in Philad. journ. II. p. 154.

— — Say Amer. Conch. t. 37. f. 2.

— — Binn. in Bost. journ. I. p. 490. t. 19.

— — Pfr. Symb. II. p. 27.

— — Chemn. ed. II. Helix N. 30. p. 56. t. 7. f. 11. 12.

— *Knoxvillina* (Helicodonta) Fér. pr. 94. Hist. t. 49. f. 5. 6.

*Mesodon helicinum* Rafn. (Fér.)

*Tridopsis elevata* Beck ind. p. 22.

Habitat in America boreali: Cincinnati, Ohio (Say), Knoxville, Tennessee (Fér.), Pennsylvania, Virginia (Binn.).

#### §. 60.

##### 830. *H. mammilla* Férussac.

T. anguste umbilicata, subglobosa, valde rugosa et sulcata. fulvenscens, fusco-bifasciata; spira semiglobosa; anfr. 6 convexi, sensim accrescentes; apertura perobliqua, irregulariter lunato-ovalis; perist. late expansum, reflexum, albidum, marginibus callo junctis, basali dilatato, umbilicum angustum, pervium semitegente. — Diam. maj. 43, min. 37, alt. 29 mill. (Spec. Mus. Brit.)

*Helix mammilla* (Helicella) Fér. pr. add. p. 67. Hist. t. 25. f. 1. 2.

— — Quoy et Gaim. Astrol. II. p. 93. t. 7. f. 3 — 5  
(c. anim.)

— — Lam. ed. Dh. 163. p. 105.

*Obba mammilla* Beck ind. p. 30.

Habitat in insula Celebes. Rarissima!

##### 831. *H. papilla* Möller.

T. anguste umbilicata, ovato-globosa, solida, valide undulato-costata, superne coerulescente et rufo variegata (costis albis), basi albida; spira elata, apice obtusa, nitida; anfr. 5½ convexiusculi, ultimus obtuse angulatus, antice deflexus; apertura perobliqua, transverse oblonga, intus nitida, livida; perist. late reflexum, marginibus callo continuo, prominente, umbilicum fere tegente junctis, supero sinuoso, basali obsolete dentato. — Diam. maj. 32. min. 25, alt. 23 mill. (Mus. Cuming.)

*Helix papilla* Müll. verm. II. p. 100. N. 298.

— — (Helicogena) Fér. pr. 43. Hist. t. 25 B. f. 3.

— — Lam. 79. p. 87. ed. Dh. p. 65.

— — Chemn. ed. II. Helix N. 124. t. 24. f. 8. 9.

*Trochus papilla* Chemn. IX. P. 2. p. 54. t. 122. f. 1053. 54.

*Obba papilla* Beck ind. p. 30.

Habitat in Archipelago insularum Australiae (Beck). Rarissima!

832. *H. bipartita* Férussac.

T. umbilicata, subglobosa, inflata, inaequaliter striatula, sub lente minutissime granulata, fulva, ad suturam anguste castaneo-fasciata, basi fusco-nigra; spira semiglobosa; sutura crenulata; anfr. 7 vix convexiusculi, ultimus supra peripheriam fulvus, basi nigricans, antice paululum deflexus; apertura rotundato-lunaris, intus lactea; perist. subincrassatum, album, marginibus callo tenui junctis, supero breviter expanso, columellari dilatato, reflexo. — Diam. maj. 54, min. 42, alt. 34 mill. (Mus. Cuming. et Gruner.)

*Helix bipartita* (Helicella) Fér. hist. t. 75 A. f. 4.

— — Wood suppl. t. 7. f. 59.

— — Lam. ed. Dh. 169. p. 108.

— — Chemn. ed. II. Helix N. 348. t. 56. f. 9. 10.

*Arianta? bipartita* Beck ind. p. 44.

Habitat in Archipelago insularum Australiae, Percy island etc.

833. *H. globulus* Müller.

T. umbilicata, globoso-conoidea, irregulariter costulato-striata et malleata, lutescens, violacescenti-cinereo nebulosa; anfr. 5 convexi, ultimus magnus, inflatus; umbilicus angustus, semiobtectus; columella laevis, subarcuata; apertura lunato-ovalis, intus nitide violaceo-purpurea; perist. incrassatum, reflexum, rubicundum, marginibus distantibus, callo diffuso violaceo-purpureo junctis, columellari dilatato, reflexo. — Dimens. variab.

a. Normalis: diam. maj. 27, min. 23, alt. 22 mill. (Coll. Nr 508.)

*Helix globulus* Müll. verm. II. p. 68. N. 264. \*) Nec Lam.

— — Chemn. ed. II. Helix N. 46. p. XIII. t. 4. f. 5. 6.

— *lucana* Lam. 19. p. 74. ed. Dh. p. 37. Nec Müll.

— — Fér. hist. t. 28. f. 14. 12.

— — Rossm. V. p. 4. f. 293.

— *rosacea* Jon. in Wieg. Arch. 1839. I. p. 339. t. 9. f. 3. 4.

— — Küst. Helix p. 40.

— *pomatia* var. Chemn. IX. P. 2. p. 113. t. 128. f. 1138 c.

*Galaxias globulus* Beck ind. p. 42.

\*) Testa globosa, subumbilicata, alba, labro reflexo. — Diam. 42 lin. — T. alba, immaculata, unicolor (rubore saepe suffusa), glabra, crassiuscula, transversim saepe subcostata, costis distantibus sat parum conspicuis. Foramen in centro distinctissimum, subumbilicatum, pervium, unico tantum anfractu conspicuo, licet labrum reflexum jam perfectum sit. Apertura concolor, lunata. Anfractus 5, vertex elatus, non depressus. Labium crassum, reflexum. (Müll. l. c.)

*Coenatoria lucana* Held in Isis 1837. p. 910.

*Gualt.* t. 2. f. C.

*Lister* t. 46. f. 44.

β. Major: diam. maj. 45, min. 34, alt. 35 mill. (Spec.)

*Helix rosacea* Müll. verm. II. p. 76. N. 272.

— — *Lam.* ed. Dh. 142. p. 94.

— *globulus* var. *Chemn.* ed. II. *Helix* t. 55. f. 7. 8.

Habitat in promontorio bonae spei, ad fluvium Elephantum, Namaqua.

Obs. *H. globulus* Lam. etc. est *H. semirugata* Beck. (Conf. Nr. 66.)

#### 834. *H. pomum* Pfr.

T. umbilicata, globosa, striis incrementi subrugata, lineisque transversis obsolete sculpta, sub epidermide tenui, olivacescente albida vel superne rufescens, basi pallida; sutura irregulariter crenulata; spira brevis, obtusa; anfr.  $4\frac{1}{2}$  convexiusculi, ultimus subito deflexus, juxta umbilicum angustum, pervium canaliculatus; apertura lunato-rotundata; perist. album, margine dextro incrassato, subreflexo, columellari intus late dentato, extus reflexo, umbilicum semitegente. — R. a. = 3 : 5. — Diam. maj. 41, min. 35, alt. 33 mill. (Coll. Nr. 509.)

*Helix pomum* Pfr. Symb. II. p. 37.

— — *Phil.* Icon. I. 2. p. 24. *Helix* t. 2. f. 8.

— — *Chemn.* ed. II. *Helix* N. 316. t. 55. f. 11—13.

— . . . . *Gray* New Zeal. t. 1. f. 1?

Habitat in Nova Hollandia ad portum Essington.

#### 835. *H. sphaeroidea* Le Guillou. †

T. sphaeroideo-subovata, perforata, rufa, longitudinaliter rugulosa, strigis transversis, fere obsoletis et crebris impressa; spira conico-rotundata, obturata; anfr. 6 convexi; sutura profunda, tenuiter canaliculata; umbilicus rimalis, (interdum subreflexo labro) magnus, profundus; apertura rotundata alba aut turturina; labrum reflexum, album, inferne ad umbilicum dilatatum, compressum et intus angulosum; labium saepius callosum et tenuissime granulatum. — Diam. 45, alt. 41 mill. (G.)

*Helix sphaeroidea* Le Guill. in Revue zool. 1845. Mai. p. 188.

Habitat ad portum Essington Australiae septentrionalis.

Obs. An varietas praecedentis?

#### 836. *H. argillacea* Férussac.

T. anguste umbilicata, subglobosa, tenuis, diaphana, corneo-rufescens; sutura mediocris; anfr.  $4\frac{1}{2}$  convexiusculi, ultimus inflatus, antice subito deflexus; apertura perobliqua, lunato-ovalis;

perist. late expansum, breviter reflexum, marginibus approximatis, columellari dilatato, umbilicum semitegente. — Diam. maj. 22, min. 17½, alt. 45 mill. (Coll. Nr. 540.) — Spec. Féruss. 25 mill. diam.

*Helix argillacea* (Helicogena) Fér. pr. 38. Hist. t. 26. f. 1. 2.

— — Lam. 53. p. 80. \*) ed. Dh. p. 50.

— — Fér. in Voy. de Freycin. Zool. p. 468. t. 67. f. 6. 7.

— — Chemn. ed. II. Helix N. 326. t. 58. f. 4. 5.

*Galaxias argillacea* Beck ind. p. 42.

β. Minor: diam. maj. 20, min. 16, alt. 43 mill. (Spec.)

*Helix argillacea* var. Fér. t. 26. f. 3.

Habitat in insulis Timor et Rawak.

### 837. *H. cyclostomopsis* Lea. †

T. subglobosa, superne depressa, inferne inflata, longitudinaliter et minute striata, pellucida, cornea, late umbilicata; anfr. 4; spira depressa; apertura subcircularis; labrum crassum et reflexum; columella laevis, ad basin crassescens. — Diam. 0,9, long. 0,6 poll. (Lea.) — Diam. 22, alt. 44 mill. (ex ic.)

*Helix cyclostomopsis* Lea obs. I. p. 165. t. 49. f. 63.

Habitat . . . ?

Obs. Etsi umbilicus in diagnosi latus dicatur, tamen ex icone suspicor, speciem ab *H. argillacea* non satis diversam esse.

### 838. *H. campanula* Pfr.

T. umbilicata, globosa, solida, subtiliter et regulariter oblique striata, castanea; spira semiglobosa, apice obtuso pallida; anfr. 4½ convexiusculi, ultimus antecedente vix latior, antice vix descendens, medio pallide cingulatus; apertura perobliqua, lunato-ovalis, intus livescens; perist. fuscum, subincrassatum, breviter reflexum, marginibus callo junctis, basali introrsum obsolete albo-unidentato, extrorsum dilatato, umbilicum angustum, profundum, semioccultante. — Diam. maj. 27, min. 23, alt. 24 mill. (Mus. Cuming.)

*Helix campanula* Pfr. in Proc. Zool. Soc. 1845. p. 65.

β. Pallide fuscescens, apice castanea, perist. albo. (Coll. com. de Seckendorff.)

*Helix campanula* var. Chemn. ed. II. Helix N. 694. t. 444. f. 43. 44.

Habitat . . . ?

Obs. Similis varietatibus quibusdam *Bulimi brachyodontis*.

### 839. *H. oodonodes* Pfr.

T. umbilicata, globoso-conoidea, solida, oblique striatula, lineis spiralibus confertis subtilissime sculpta, nitida, alba vel

\*) T. subglobosa, perforata, diaphana, corneo-rufescente; spira brevi, obtusa; labro margine albo, reflexo. — Diam. 10½ lin. (Lam. l. c.)

straminea, castaneo 4—2fasciata; spira campanulata, apice obtusiuscula; anfr.  $5\frac{1}{2}$  vix convexi, ultimus antice descendens, basi juxta aperturam gibboso-subconstrictus; apertura obliqua, subquadrangulati-rotundata; perist. incrassatum, reflexum, marginibus subapproximatis, callo nitido junctis, columellari intus protuberantia dentiformi munito, extus dilatato, patente, sinuoso. — Diam. maj. 20, min. 17, alt. 17 mill. (Mus. Cuming. et Coll. Nr. 514.)

*Helix codonodes* Pfr. in Proc. Zool. Soc. 1846. p. 112.

— — Chemn. ed. II. Helix N. 695. t. 111. f. 15. 16.

Habitat in insula Nicobaria majore (Theod. Philippi).

#### 840. *H. Jannellei* Le Guillou. †

T. globoso-obtusa, dilute olivacea; anfr. 5 transversim tenue rugulosi (rugis undulatis), superne rotundati; sutura profunda; spira convexa, obtusa; apertura obliquissima, albida; labrum reflexum, album; labium obliquum, reflexum, umbilicum profundum occultans. — Diam. et alt. 25 mill. (G.)

*Helix Jannellei* Le Guill. in Revue Zool. 1842. p. 137.

Habitat in Australia septentrionali.

Obs. «Variat spira conico-obtusata, umbilico clauso. In junioribus ultimus anfractus superne subcarinatus».

#### 841. *H. Tili* Anton. †

T. globosa, tenuis, subtiliter striata, transversim regulariter striatula, lutescenti-alba, pervio-umbilicata; anfr. 5 convexi; sutura profunda; apertura subrotunda; perist. acutum, vix reflexiusculum. — Diam. 9, alt.  $5\frac{1}{2}$  lin. (A.)

*Helix Tili* Ant. Verzeichn. p. 34. N. 1288.

Habitat . . . ?

#### 842. *H. leptogramma* Pfr.

T. umbilicata, globosa, tenuis, striata, lineis impressis, concentricis, confertis sculpta, carneo-albida, superne fasciis 3—4 angustis, rufis ornata; anfr.  $4\frac{1}{2}$  convexiusculi, ultimus inflatus, antice breviter descendens; apertura vix obliqua, rotundato-lunaris, intus concolor; perist. album, simplex, breviter expansum, marginibus callo tenuissimo, diffuso junctis, columellari valde dilatato, albo, nitido, reflexo, umbilicum angustum semioccultante. — Diam. maj. 17, min. 14, alt. 13 mill. (Mus. Cuming.)

*Helix leptogramma* Pfr. in Proc. Zool. Soc. 1845. p. 127.

Habitat in Australia septentrionali «Cynet Bay».

843. *H. pachyloma* Menke.

T. angustissime umbilicata, conoideo-globosa, tenuiuscula, subtilissime striatula, pallide cornea; spira conoidea, vertice acutiusculo; anfr.  $5\frac{1}{2}$  vix convexiusculi, ultimus ventrosus, antice constrictus, non descendens; apertura subverticalis, subtriangulato-lunaris; perist. breviter expansum, intus callosum, margine dextro cum supero brevi angulum obsoletum formante, columellari ad umbilicum reflexo. — Diam. maj. 42, min.  $40\frac{1}{2}$ , alt. 9 mill. (Coll. Menke.)

*Helix pachyloma* Menke in Zeitschr. f. Mal. 1847. p. 32.

Habitat in Texas.

Obs. Hoc loco conferantur species in §. 51 enumeratae, interdum aperte perforatae.

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844. *H. Mobiliana* Lea. †

T. subglobosa, rufo-cornea, nitida, perforata; spira brevis, obtusa; sutura impressa; anfr. 6 convexi; apertura lunata; labrum reflexum. (L.) — Dimens.?

*Helix Mobiliana* Lea in Proc. Am. phil. Soc. 1844. II. p. 82.

Habitat in America boreali, prope Mobile Alabamae.

§. 64.

845. *H. pileiformis* Moricand.

T. perforata, trochiformis, tenuis, striata, fragilis, olivaceofusca; spira elata, conica, acuta; anfr. 7 planati, ultimus carinatus, basi convexiusculus; apertura subquadrangularis; perist. simplex, marginibus callo tenui junctis, dextro et basali expansis, columellari dilatato, reflexo, foramen occultante. — Diam. maj. 42, min. 44, alt.  $44\frac{1}{2}$  mill. (Coll. Nr. 542.)

*Helix pileiformis* Moric. Mém. Gen. VII. P. II. p. 420. t. 2. f. 2.

— — Lam. ed. Dh. 224. p. 134.

— — Chemn. ed. II. Helix N. 315. t. 55. f. 9. 10.

*Geotrochus pileiformis* Beck ind. p. 47.

*Bulimus pileiformis* Pfr. Symb. II. p. 120.

Habitat in Brasilia: Illheos (Moric.).

Obs. Ex affinitate cum Bul. opalino Sow. aliisque speciebus *H. pileiformis* antea *Bulimis* adnumeraveram.

846. *H. pileus* Möller.

T. perforata, coniformis, laevigata, alba, rufo varie fasciata; spira elongata, acutiuscula; anfr. 6 planiusculi, ultimus obsolete angulatus, basi planulatus, castaneus; columella brevis, obliqua;

apertura lunato-ovalis, intus concolor; perist. simplex, late expansum, album, margine supero antrorsum subarcuato, basali reflexo, columellari dilatato, reflexo, perforationem fere occultante. — R. a. = 5 : 7. — Diam. maj. 25, min. 22, alt. 25 mill. (Coll. Nr. 543.)

*Helix pileus* Müll. verm. II. p. 80. N. 277.

— — *Born* test. p. 380. t. 16. f. 11. 12.

-- — (Helicigona) *Fér.* pr. 444. Hist. t. 63 A. f. 3—8.

— — *Lam.* 78. p. 87. ed. Dh. p. 64.

— — *Sow.* Conch. Man. f. 278.

— — *Chemn.* ed. II. Helix N. 423. t. 24. f. 1—3.

— *pileata* Gmel. p. 3639. N. 473.

*Trochus pileus* Chemn. IX. P. 2. p. 448. t. 122. f. 1046—48.

*Geotrochus pileus* *Suains.* Zool. III. II. t. 91.

— — *Beck* ind. p. 48.

β. Unicolor, isabellina, basi castanea, linea suturali castanea ornata. (Mus. Cuming.)

γ. Major, anfr. 7, rubello-cornea, fasciis opacis albidis ornata, perist. nigro: diam. maj. 29, min. 24, alt. 29 mill. (Spec.)

*Helix pileus* var. *Chemn.* ed. II. Helix t. 40. f. 5.

Habitat in India orientali (Chemn.), in insula Amboina (Hinds).

#### 847. *H. pileolus* *Férussac.*

T. perforata, trochiformis, apice obtusiuscula, irregulariter rugoso-striata, subdiaphana, alabastrina; anfr. 7 vix convexiusculi, ultimus basi carinatus, subtus vix convexior; columella brevis, subverticalis; apertura depressa, subquadrangularis; perist. simplex, margine dextro breviter expanso, basali strictiusculo, reflexo, columellari roseo, per dilatato, perforationem non occultante. — Diam. maj. 20½, min. 18, alt. 21½ mill. (Spec. coll. Meyer Hamburg.)

*Helix pileolus* (Helicigona) *Fér.* pr. 442. Hist. t. 63 A. f. 2?

— — *Wood* suppl. t. 7. f. 58.

— — *Pfr.* Symb. III. p. 75.

— — *Chemn.* ed. II. Helix N. 457. t. 76. f. 14—17?

*Carocolla Pileolus* Gray in Ann. of Phil. New ser. IX. p. 412.

*Geotrochus pileolus* *Beck* ind. p. 47.

Habitat . . . ?

Obs. *H. pileolus* *Fér.* t. 63 A. f. 1 ad *H. Gaberti* (Nr. 612.) potius referenda videtur.

\* \* \*

#### 848. *H. Sagralana* *Orbigny.*

T. anguste umbilicata, subtrochiformis, liris permultis, concentricis, acute elevatis cincta, solidiuscula, albida; spira conoi-

dea; anfr.  $6\frac{1}{2}$  vix convexiusculi, ultimus subcarinatus, basi convexiusculus, circa umbilicum subcompressus; apertura obliqua, lunaris; perist. breviter reflexum, margine columellari dilatato, tuberculato-sinuato. — Diam. maj. 32, min. 27, alt. 19 mill. (Coll. Nr. 544. Spec. californ.)

*Helix Sagraiana* Orb. moll. cub. I. p. 145. t. 7. f. 4—6. \*)

— — *Chemn.* ed. II. *Helix* N. 342. t. 55. f. 1. 2.

Habitat in insulae Cubae regionibus intimis (Orb.), California (Sowerby).

#### 849. *H. labium* Férussac.

T. anguste umbilicata, conoidea, oblique striatula, nitida, tenuis, pallide fulva, rufo-unicingulata; spira late conoidea, apice acuta; anfr. 6 convexiusculi, ultimus depressiusculus, basi subplanus; columella brevis, obliqua; apertura angulato-lunaris, intus albida, fascia pellucente; perist. tenue, latissime expansum, reflexum, album, latere dextro angulatum, margine columellari umbilicum semioccultante. — Diam. maj. 38, min. 34, alt. 23 mill. (Coll. Nr. 545.)

*Helix labium* (Helicigona) Fér. hist. t. 64. f. 6.

— — *Pfr.* Symb. III. p. 75.

— — *Chemn.* ed. II. *Helix* N. 343. t. 55. f. 3. 4.

Habitat in insula Mindanao Philippinarum. (Mus. Cuming.)

#### 850. *H. Pennantiana* Pfr.

T. anguste umbilicata, orbiculato-conoidea, acute carinata, tenuis, striatula, irregulariter et leviter malleata, unicolor carnea, apice rufescens; anfr.  $5\frac{1}{2}$  vix convexiusculi, ultimus antice vix descendens, basi planiusculus; apertura perobliqua, angulato-lunaris, intus alba; perist. roseum, late expansum, margine basali reflexo, columellari brevi, strictiusculo, umbilicum fere tegente. — Diam. maj. 37, min. 30, alt. 20 mill. (Mus. Cuming.)

*Helix Pennantiana* Pfr. in Proc. Zool. Soc. 1845. p. 67.

Habitat . . . ?

Obs. Differt ab *H. labio* testa malleata et acute carinata, et apertura depressa.

#### 851. *H. grata* (Carocolla) Michelin.

T. anguste umbilicata, trochiformis, tenuis, striata, citrina, epidermide fulva fasciatim obducta; spira conica, acuta; anfr. 5

\*) T. conico-depressa, perforata, tenuis, transversaliter sulcata; spira subelevata, conica; anfr. 7 minime carinati; apertura semilunaris; labrum margine reflexum; columella incrassata, tuberculato-sinuata. (Orb. I. c.) — Diam. maj. 28, min. 25, alt. 20 mill. (ex ic.)



planiusculi, ultimus acute carinatus, basi convexiusculus; columella oblique descendens, dilatata; apertura subrhombea; perist. simplex, late expansum, margine columellari dilatato, arcuatim reflexo, umbilicum occultante, nec obtegente. — Diam. maj. 28, min. 23, alt. 18 mill. (Mus. Cuming.)

*Carocolla grata* Mich. in Guér. mag. 1834. t. 9.

*Helix grata* Pfr. Symb. II. p. 84.

— *acuta* Quoy et Gaim. Astrol. II. p. 98. t. 8. f. 4—4.

— — Lam. ed. Dh. 198. p. 123.

— . . . Fér. hist. t. 63 B. f. 4—3.

Habitat ad portum Dorey Novae Guineae (Quoy).

#### 852. *H. multizona* Lesson. †

T. perforata, orbiculato-conoidea, laevigata, alba vel fulvida, lineis numerosis rufis cincta; spira acuta; anfr. 6 planiusculi, ultimus obsolete angulatus; apertura lunari-elliptica; perist. album, reflexum, margine columellari dilatato, perforationem semitegente. — Diam. maj. 32, min. 26, alt. 20 mill. (ex ic.)

*Helix multizona* Less. voy. de la Coq. p. 308.

— *multizonata* Lam. ed. Dh. 165. p. 106.

— *tenuiradiata* Quoy et Gaim. Astrol. II. p. 101. t. 8. f. 8—10.

— . . . Fér. hist. t. 106. f. 3—5.

Habitat ad portum Dorey Novae Guineae.

#### 853. *H. lituus* Lesson.

T. anguste umbilicata, orbiculato-conoidea, apice obtusa, nitida, albicans, luteo-fusca vel rufo-castanea, zona rufa vel nigricante circumdata; anfr. 6 sensim accrescentes, convexiusculi, ultimus basi planiusculus; apertura transverse ovata; perist. valde reflexum, intus nigricans vel roseum, margine basali strictiusculo, cum columellari dilatato, umbilicum fere tegente, angulum formante. — Diam. maj. 37, min. 29, alt. 25 mill. (ex ic. Quoy.)

*Helix lituus* Less. voy. de la Coq. p. 309.

— — Lam. ed. Dh. 161. p. 104.

— *Ardouinii* Desh. in Encycl. méth. II. p. 266.

— *papuensis* Quoy et Gaim. Astrol. II. p. 96. t. 7. f. 10—13.

— . . . Fér. hist. t. 106. f. 6—9.

*Geotrochus papuensis* Beck ind. p. 48.

Habitat ad portum Dorey Novae Guineae.

#### 854. *H. vitrea* Férussac. †

T. umbilicata, depresso-conica, carinata, vitrea, nitida; anfr. 4 planiusculi; apertura lunari-elliptica; perist. simplex, reflexum.

umbilicum semitegens. — Diam. maj. 28, min. 23, alt. 16 mill. (ex ic.)

*Helix vitrea* (Helicigona) *Fér.* pr. 145. Hist. t. 64. f. 4.

— — *Chemn.* ed. II. *Helix* N. 459. t. 76. f. 18. 19.

Habitat . . . ?

Obs. *H. multizonae* similis, umbilico majore distincta.

**855. *H. Poeyi* Petit.**

T. anguste umbilicata, orbiculato-convexa, tenuis, confertim costulato-striata, badia, epidermide decidua, subvelutina; anfr. 5 planiusculi, ultimus carinatus, antice deflexus; columella brevis, verticalis; apertura subangulato-lunaris; perist. simplex, margine supero expanso, basali reflexo, columellari valde dilatato, foramen semioccultante. — Diam. maj. 26, min. 24, alt. 16 mill. (Coll. Nr. 516.)

*Helix Poeyi* Petit in *Guérin* mag. 1836. t. 74.

— — *Orb. moll. sub.* I. p. 150. t. 5. f. 11—13.

— — *Chemn.* ed. II. *Helix* N. 314. t. 55. f. 5. 6.

— *staminea* Menke in litt. olim.

Habitat in insulae Cubae regionibus interioribus.

**856. *H. Blainvilliei* Le Guillou. †**

T. pyramidata, trochiformis, umbilicata, albido-lutescens; anfr. 7—8 tenue striati, depresso-convexi, linea fusco-rufa inferne picti, ultimus carinatus, subtus plano-convexiusculus, striis obsoletis concentricis interdum notatus; apertura subquadrata, reflexa, albida, antierius subangulata; columella violascens, umbilicum concolorem, profundum non occultans. — Diam. 19—21, alt. 23—25 mill. (G.)

*Helix Blainvilliei* Le Guill. in *Revue zool.* 1842. p. 140.

Habitat in insula Arrow.

**857. *H. Arrowensis* Le Guillou. †**

T. trochiformis, carinata, subumbilicata, alba, hyalina; anfr. 5 convexiusculi, basi depressi, substriati, ultimus carina acuta instructus, subtus convexo-depressus; spira conica, supra obtusa; apertura subsemiovata, margine reflexa; labium latius, umbilicum suboccultans. — Diam. 17, alt. 12 mill. (G.)

*Helix Arrowensis* Le Guill. in *Revue zool.* 1842. p. 139.

Habitat in insula Arrow.

**858. *H. reflexiuscula* Pfr. †**

T. trochoidea, carinata, vix umbilicata, hyalina, subvitrea; anfr. 6 subconvexi, basi depressi, tenue striati, ultimus carina

acuta, sursum reflexiuscula instructus, subtus convexo-depressus; apertura sublanceolata, anterieus acuta, basi rotundata, subreflexa, versus umbilicum oblique rectiuscula. — Diam. 15, alt. 10 mill. (G.)

*Helix hyalina* Le Guill. in Revue zool. 1842. p. 139. Nec Fér.

— *reflexiuscula* Pfr. Symb. II. p. 98.

Habitat in insulis Salomon.

**859. *H. Tritoniensis* Le Guillou. †**

T. trochoidea, subumbilicata, albido-fulva, substriata; anfr. 5 — 6 convexiusculi, ultimus rotundatus, subtus convexus; spira conico-depressa; apertura angusta; labrum subreflexum; umbilicus minimus, punctiformis. — Diam. 9, alt. 7½ mill. (G.)

*Helix Tritoniensis* Le Guill. in Revue zool. 1842. p. 138.

Habitat in Nova Guinea, ad Triton-Bay.

**860. *H. albula* Le Guillou. †**

T. discoidea, albula, umbilicata, acute carinata, supra conico-depressa, subacuta, tenuiter striata, subtus depresso-convexa, crebre striata; anfr. 5½ depresso-convexi, ultimus carinatus: carina rufescente; apertura suboblunga, anterieus acuta, basi depresso-recta; perist. superne subreflexum, subtus et anterieus lamina lata, reflexa, acuta; umbilicus profundus, infundibuliformis. — Diam. 27, alt. 16 mill. (G.)

*Helix albula* Le Guill. in Revue zool. 1842. p. 139.

Habitat in insula Ternate.

**861. *H. ternatana* Le Guillou. †**

T. orbiculato-subconoidea, umbilicata, rufa, tenuiter striata; anfr. 7 subconvexi, ultimus margine carinatus: carina albida; infima facies depresso-convexiuscula; umbilicus profundus, margine effuso; spira conico-depressa, obtusa; apertura obliqua, subquadrata, marginata, alba, subreflexa, basi incrassata. — Diam. 22, alt. 12 mill. (G.)

*Helix Ternatana* Le Guill. in Revue zool. 1842. p. 138.

Habitat in insula Ternate.

**§. 62.**

**862. *H. Ghiesbreghtii* Nyst.**

T. umbilicata, orbiculato-convexa, striata, epidermide pilosa induta, brunnea, zonis nigricantibus et luteis ornata; anfr. 5½ convexiusculi, ultimus magnus, rotundatus, circa umbilicum mediocrem subcompressus; apertura lunato-rotundata; perist. expansum, album, breviter reflexum, marginibus conniventibus,

columellari dilatato. — Diam. maj. 63, min. 53, alt. 37 mill. (Mus. Cuming. et Gruner. Coll. Nr. 547. Spec. juv.)

*Helix Ghiesbreghtii* Nyst in Bull. Brux. VIII. 1844. p. 343. f. 2.

— — Chemn. ed. II. Helix N. 317. t. 56. f. 1. 2.

β. Fulva, superne rufo-zonata: diam. maj. 57, min. 45, alt. 33 mill.

Habitat in Mexico: prope Chiapa (Nyst), in America centrali (Mus. Cuming).

**863. *H. Hogoleuensis* Le Guillou. †**

T. orbiculato-conoidea, crassiuscula, umbilicata, sub epidermide castanea rufescens, subtus convexo-depressa; anfr. 5 supra depresso-declives, longitudinaliter rugosi, saepius eleganter ac crebre striati, supremi pallidi, obtuse planulati, infimus in junioribus subangulatus, in adultis sulcis irregularibus 2 cinctus; apertura pallide fulva, fascia rufa angusta saepius in medio decurrente: labrum margine valde incrassatum, superne oblique productum, subangulosum, inferne et intus sinuatum; umbilicus angustus, profundus, extus in canali continuatus, angulo externo cinctus. — Diam. 49, alt. 28 mill. (G.)

*Helix Hogoleuensis* Le Guill. in Revue zool. 1845. p. 187.

β. Anfractibus inferioribus basi fascia castanea, angusta et saltem intus perspicua pictis. — Diam. 38, alt. 20 mill.

γ. Testa sub epidermide lutescente alba, fascia extus et intus carente. — Diam. 39, alt. 20 mill.

Habitat frequentissima in insulis Hogoleu Carolinarum.

**864. *H. excimia* Pfr.**

T. umbilicata, depresso-globosa, oblique rugosa et confertissime granulosa, olivaceo-cornea, fasciis 5 fusco-viridibus ornata; anfr. 4½ convexiusculi, rapide accrescentes, ultimus permagnus, circa aream umbilicarem fuscam compresso-inflatus; apertura lunato-ovalis, intus margaritacea, lilacina; perist. simplex, anguste reflexum, umbilicum angustum semitegens. — Diam. maj. 44, min. 32, alt. 26 mill. (Mus. Cuming. et Coll. Nr. 548. Spec. juv.)

*Helix excimia* Pfr. in Phil. Icon. I. 7. p. 453. t. 5. f. 6.

— — Pfr. in Proc. Zool. Soc. 1845. p. 41.

— — Chemn. ed. II. Helix N. 336. t. 60. f. 23. 24.

Habitat in America centrali, prope Veracruz prov. Honduras.

**865. *H. inaeol* Pfr.**

T. umbilicata, depresso-globosa, solidula, striata, sub epidermide pallide fulva alba, fasciis angustis castaneis cingulata; spira elevata, acutiuscula; anfr. 7 vix convexiusculi, ultimus circa

umbilicum mediocrem, pervium subcompressus; columella arcuata; apertura perobliqua, lunato-ovalis; perist. album, tenue, intus sublabiatum, margine dextro vix expanso, basali reflexo, columellari in laminam triangularem dilatato, umbilicum semitigente. — Diam. maj. 38, min. 32, alt. 28 mill. (Coll. Nr. 519.)

*Helix Incei* Pfr. in Proc. Zool. Soc. 1843. p. 126.

— — *Phil. Icon.* II. 11. p. 83. Helix t. 7. f. 3.

— — *Chemn.* ed. II. Helix N. 325. t. 58. f. 1—3.

β. Minor, epidermide castanea, fasciis indistinctis, anfractu ultimo basi flavo. — Diam. maj. 32, min. 27, alt. 21 mill. (Mus. Cuming.)

Habitat in Australia septentrionali (Ince).

### 866. *H. cicatricosa* Müller.

T. sinistrorsa, umbilicata, depresso-globosa, tenuiuscula, irregulariter rugosa et cicatricosa, fulvicanti-flava, lineis et fasciis rufis varie ornata; anfr.  $5\frac{1}{2}$ , ultimi 2 inflati, supremi planulati, ultimus ad peripheriam angulatus, ad umbilicum mediocrem, pervium compressus; apertura lunaris, intus margaritacea; perist. expansum, subincrassatum, marginibus callo tenui junctis, columellari breviter arcuato, late expanso, umbilicum semitigente. — Diam. maj. 40, min. 32, alt. 23 mill. (Coll. Nr. 520.)

*Helix cicatricosa* Müll. verm. II. p. 42. N. 242.

— — *Chemn.* IX. P. 1. p. 1. Vign. f. A. t. 109. f. 923.

— — *Chemn.* ed. II. Helix N. 64. t. 12. f. 1. 2. 7—9

— *cicatricosa* Lam. ed. Dh. 132. p. 89.

— *senegalensis* Chemn. IX. P. 1. p. 85. t. 109. f. 917. 18.

— — *Lam.* 31. p. 74. ed. Dh. p. 42.

— — (*Helicella*) *Fér.* pr. 189. Hist. t. 78. f. 1. 2.

— *chinensis* Voigt in Cuv. *Thierr.* III. p. 61.

*Ariophanta cicatricosa* Beck ind. p. 5.

*Kämmerer* t. 11. f. 6.

Habitat in China: Woosung. — Nec in prov. Senegalensi.

### 867. *H. monochroa* Sowerby.

T. umbilicata, semiglobosa, tenuiuscula, pallide brunnea, interdum rufo varie fasciata, minute rugulosa; spira mediocris; anfr.  $4\frac{1}{2}$  convexiusculi, ultimus rufo-bifasciatus; umbilicus mediocris, pervius; apertura perobliqua, lunato-ovalis, intus lactea; perist. extus fuscum, subincrassatum, reflexum, marginibus callo tenui junctis, columellari crasso, late expanso, umbilicum semitigente. — R. a. = 3 : 5. — Diam. maj. 50, min. 40, alt. 30 mill. (Coll. Nr. 521.)

*Helix monochroa* Sow. in Proc. Zool. Soc. 1844. p. 1.

*Helix monochroa* Pfr. Symb. II p. 34.

— — Chemn. ed. II. *Helix* N. 324. t. 57. f. 1—3.

Habitat in insula Tablas Philippinarum (Cuming).

868. *H. mercatoria* Gray.

T. umbilicata, turbinato-depressa, solida, costulato-striata, fulva, zona unica rufa, utrinque pallide marginata circumdata; spira elevata, obtusiuscula; anfr.  $6\frac{1}{2}$  convexiusculi, ultimus obsolete angulatus, basi inflatus; umbilicus angustissimus, vix pervius; apertura lunaris; perist. incrassatum, breviter reflexum. — Diam. maj. 38, min. 34, alt. 25 mill. (Mus. Brit.)

*Helix mercatoria* Gray in Mus. Brit.

— — Pfr. in Zeitschr. f. Malak. 1845. p. 154.

Habitat in China.

869. *H. Saulsae* Pfr.

T. umbilicata, globoso-depressa, solidiuscula, oblique striata, fulvida, medio fascia unica, alba, utrinque rufo-marginata ornata; spira brevis, obtusa; anfr. 4 vix convexiusculi, ultimus basi subplanatus, antice subito deflexus, circa umbilicum angustum, pervium rufus; apertura perobliqua, lunato-ovalis; perist. breviter reflexum, marginibus conniventibus, callo tenui junctis, columellari castaneo, valde dilatato, umbilicum fere occultante. — Diam. maj. 32, min. 27, alt. 20 mill. (Mus. Cuming. et Saul.)

*Helix Saulsae* Pfr. in Proc. Zool. Soc. 1845. p. 72.

Habitat . . . ?

870. *H. chlorozona* Grateloup. †

T. orbiculato-subconoidea, subtus convexa, late umbilicata, nitida, subdiaphana, rufo-castanea, oblique tenuiter striata; anfr. 4—5; umbilicus pervius; apertura ovata; labrum subreflexum, marginatim luteo-albescens. — Diam. 30, alt. 18 mill. (Gr.)

*Helix chlorozona* Grat. in Act. Bord. XI. p. 409. t. 4. f. 4.

Habitat in insula Madagascar (Duisabo).

Obs. «Differt ab *H. Nuttalliana* zonarum dispositione, apertura non rotundata, spira conoidea, anfractuum numero.»

871. *H. lucona* Mäller.

T. aperte umbilicata, depresso-globosa, subpellucida, nitida, superne luteo-fulvescens, subtus et in suturis alba; anfr. 5, supremi lente accrescentes, planulati, ultimus magnus, convexus; apertura lunato-rotundata; perist. crassum, reflexum, marginibus

conniventibus, callo junctis. — Diam. maj. 30, min. 25, alt. 23 *mm* *ill.*  
(Coll. Nr. 522.)

*Helix lucana* Müll. verm. II. p. 75. N. 270.

— — Chemn. IX. P. 2. p. 124. t. 130. f. 1155.

— — Jonas in Wieg. Arch. 1839. I. p. 338. t. 9. f. 1. 2.

— — Chemn. ed. II. Helix N. 339. t. 60. f. 1. 2.

— *Lucena* Gmel. p. 3636. N. 78.

— — Wood ind. t. 34. f. 86.

*Galaxias lucana* Beck ind. p. 42.

β? Peristomate aurantiaco:

*Helix* . . . Fér. hist. t. 10 B. f. 3—5.

Habitat in Africa australi ad fluvium Elephantum! Tranquebar  
(Chemn.).

### 872. *H. Alexandri* (Dorcasia) Gray.

T. rimato-perforata, depressa, pallide fulva vel albida, superne minute costulato-striata, basi laevigata; spira vix elevata; anfr. 5 convexi, ultimus inflatus, antice subito perdeflexus, basi devians, rimam umbilicarem formans; apertura perobliqua, subcircularis; perist. continuum, undique expansum, reflexum. — Diam. maj. 32, min. 25, alt. 14 mill. (Mus. Brit.)

*Dorcasia Alexandri* Gray in Mus. Brit.

*Helix Alexandri* Pfr. in Zeitschr. f. Malak. 1845. p. 87. adnot.

Habitat circa Damarha Africae meridionalis (Alexander).

### 873. *H. prunum* Férussac.

T. umbilicata, subdepresso-globosa, fulva vel rufa, nitida, oblique striata, obsolete granulata; spira brevis; anfr. 6 planuli, ultimus ventrosus, basi inflatus, antice parum descendens; apertura lunato-subcircularis, intus nitida, rubescens; perist. album, breviter expansum, margine columellari superne dilatato, umbilicam angustum semiocculante. — Diam. maj. 30, min. 25, alt. 19 mill. (Coll. Walton.)

*Helix prunum* (Helicogena) Fér. pr. 34. Hist. t. 26. f. 7. 8.

— — Wood suppl. t. 7. f. 38.

— — Pfr. Synb. III. p. 75.

— — New Zeal. t. 1. f. 2.

— — II. Helix N. 446. t. 74. f. 11—13.

— — Trifl. anim. kingd. t. 28. f. 2.

— — p. 41.

— — saturatiore circumdata: diam. maj. 28.

— — (Coll. Walton.)

— — var. Fér. t. 26. f. 9.

— — Australia.

874. *H. pelodes* Pfr.

*T. umbilicata*, subdepresso-globosa, tenuiuscula, striata et minute granulata, rubello-fusca; spira brevis, obtusiuscula; anfr. 6 convexiusculi, ultimus inflatus, antice breviter descendens; umbilicus mediocris, pervius; apertura lunato-circularis, intus margaritacea; perist. expansum, saturate carneum, margine columellari per dilatato, fornicatim reflexo. — Diam. maj. 34, min. 25, alt. 20 mill. (Coll. Nr. 523.)

*Helix pelodes* Pfr. in Proc. Zool. Soc. 1845. p. 126.

— — Chemn. ed. II. Helix N. 327. t. 58. f. 6. 7.

Habitat in littore septentrionali Australiae.

Obs. Differt ab *H. argillacea* (Nr. 836.) magnitudine, forma depressiore, test. granulata, umbilico latiore et peristomate non reflexo.

875. *H. Bonplandii* Lamarck.

*T. anguste umbilicata*, orbiculato-convexa, rufa, nigro obsolete ~~bic~~angulata, striis incrementi et spiralibus tenuissimis subdecussata; anfr.  $4\frac{1}{2}$  — 5 convexiusculi; apertura transverse ovalis, intus fusco-violacea; perist. simplex, margine dextro patulo, basali subincrassato, ad columellam reflexo, umbilicum fere legente. — Diam. maj. 35, min.  $28\frac{1}{2}$ , alt. 20 mill. (Coll. Nr. 524. Spec. max. —) Diam. maj. 29, min. 24, alt.  $15\frac{1}{2}$  mill. (Spec. min.)

*Helix Bonplandii* Lam. 26. p. 72. ed. Dh. p. 40.

— — Fér. hist. t. 46 A. f. 2.

— — Deless. recueil t. 26. f. 9.

— — Orb. moll. cub. I. p. 148. t. 7. f. 10—12.

— — Chemn. ed. II. Helix N. 337. t. 60. f. 3—6.

Habitat in insula Cuba, ubi in vicinia urbium Havana et Matanzas, praecipue in truncis Oreodoxae regiae, legi.

876. *H. supertexta* Pfr.

*T. anguste umbilicata*, orbiculato-conoidea, solidiuscula, striis incrementi et lineis impressis concentricis subdecussata, rufescenti-fulva, medio rufo-unifasciata, epidermide hydrophana radiatim induta; sutura profunda, crenulata; anfr. 5 convexi; apertura lunato-ovalis, intus fusca; perist. album, margine supero expanso, basali incrassato, reflexo, umbilicum angustum semilegente. — Diam. maj. 24, min. 20, alt. 13 mill. (Coll. Nr. 525.)

*Helix supertexta* Pfr. in Zeitschr. f. Malak. 1845. p. 153.

— — Chemn. ed. II. Helix N. 338. t. 60. f. 7. 8.

Habitat in insula Cuba, ubi ad Punta Maya prope Matanzas rarissimè legit Dr. Gundlach.

Obs. Similis *H. Bonplandii*; differt magnitudine, epidermide, anfractibus convex. incisuris, minus celeriter accrescentibus.



877. *H. bigonia* Férussac.

T. umbilicata, depresso-conoidea, tenuis, oblique striatula, fulvido-alba, fasciis rufis ornata, basi planulata; sutura linearis: spira late conoidea; anfr.  $4\frac{1}{2}$  planiusculi, ultimus basi angulatus; umbilicus angustus, pervius; apertura horizontalis, elliptica; perist. simplex, margine supero expanso, basali late reflexo. — R. a. = 3:4. — Diam. maj. 23, min. 19, alt. 13 mill. (Coll. Nr. 526.)

*Helix bigonia* (Helicella) Fér. hist. t. 70. f. 2.

— — Lam. ed. Dh. 170. p. 108.

— — Phil. Icon. I. 4. p. 78. Helix t. 4. f. 7.

— — Chemn. ed. II. Helix N. 329. t. 58. f. 13. 14.

— Samarensis Pfr. in Proc. Zool. Soc. 1842. p. 87.

*Planispira bigonia* Beck ind. p. 30.

Habitat in insula Samar Philippinarum (Cuming).

877<sup>a</sup>. *H. pedestris* Gould. †

T. rudis, depresso-globosa, late perforata, luteo-cornea, ad apicem virens, striis incrementalibus conspicuis inaequalibus et striis minutissimis confertis volventibus decussata; anfr.  $5\frac{1}{2}$  convexiusculi, ultimus ventricosus, prope aperturam deflexus; apertura obliqua, transversa, rotundato-lunaris; perist. reflexum, album, ad basim dilatatum, juxta columellam sinuatum. — Lat.  $\frac{1}{2}$ , alt.  $\frac{1}{2}$  poll. (G.)

*Helix pedestris* Gould 1846. Exped. shells p. 18.

Habitat in Nova Hollandia (New South Wales).

Obs. «Forma et aspectus *H. zaletae*; subtus *H. profundae* similior».

878. *H. Recluziana* Le Guillou. †

T. orbicularis, supra convexo-depressa, rufo-fusca, subtus albidula; anfr. 5 leviter ac crebre striati, convexo-depressi, ultimus rotundatus, fascia alba, linea rufa superne marginata circumcinctus; apertura subrotunda, reflexa, fusco-tincta; columella dilatata, intus truncata et obtuse unidentata; umbilicus consolidatus, rufescens. — Diam. 26—27, alt. 17—20 mill. (G.)

*Helix Recluziana* Le Guill. in Revue zool. 1842. p. 137.

Habitat . . . ?

879. *H. dichroa* Pfr.

T. umbilicata, globoso-depressa, tenuis, oblique striata, lineis confertis sub lente decussata, pallide cornea, diaphana, cingulis permultis, opacis, albis, interruptis ornata; anfr. 6 convexiusculi, ultimus antice deflexus, basi convexus; umbilicus angustus; apertura lunato-circularis, intus concolor; perist. tenue, marginibus conniventibus, supero expansiusculo, basali brevissime reflexo.

columellari dilatato, nitido, fornicatim reflexo. — Diam. maj.  $45\frac{1}{2}$ , min.  $43\frac{1}{2}$ , alt.  $40\frac{1}{2}$  mill. (Coll. Nr. 527.)

*Helix dichroa* Pfr. Symb. III. p. 76.

— — Chemn. ed. II. Helix N. 684. t. 409. f. 16. 17.

Habitat . . . ?

#### 880. *H. tenuicostata* Dunker.

T. perforata, depresso-globosa, solidula, oblique costulato-striata, alba, rufo-multifasciata; spira elevata, late conica; anfr.  $4\frac{1}{2}$  convexiusculi, sensim accrescentes, ultimus antice deflexus; apertura lunato-ovalis; perist. acutum, intus sublabiatum, margine dextro subexpanso, columellari reflexo, appresso dilatato, foramen fere tegente. — Diam. maj. 43, min. 41, alt. 8 mill. (Coll. Nr. 528.)

*Helix tenuicostata* Dkr. in Phil. Icon. II. 9. p. 6. t. 6. f. 13.

— — Chemn. ed. II. Helix N. 683. t. 409. f. 14. 15.

Habitat in republica mexicana?

Obs. Similis *H. gilvae*; differt spira elevatiuscula, perforatione angustissima, fere tecta, margine peristomatis basali subappresso, anfractibus lentius crescentibus. — Num forte *H. Trocheli* varietatibus adnumeranda? (Conf. Nr. 630.)

#### 881. *H. gilva* Férussac.

T. umbilicata, globoso-depressa, tenuis, striis obliquis, confertis corrugata, carneo-albida, fasciis angustis nigricantibus vel fuscis cingulata; spira parum elevata, interdum obtusissima; anfr.  $4\frac{1}{2}$  planiusculi, celeriter accrescentes; apertura rotundato-lunata; perist. simplex, acutum, margine dextro patulo, columellari late reflexo, roseo, intus nigro-purpurascens. — Diam. maj. 45, min.  $42\frac{1}{2}$ , alt. 40 mill. (Coll. Nr. 529.)

*Helix gilvus* (Helicogena) Fér. pr. 36. Hist. t. 24 B. f. 4.

— *gilva* Orb. moll. cub. I. p. 157. t. 8. f. 9. 15.

— — Pfr. in Zeitschr. f. Malak. 1845. p. 23.

— — Chemn. ed. II. Helix N. 342. t. 60. f. 9. 10.

— *corrugata* Pfr. Symb. I. p. 44.

β. Fusca, fascia 1 albida, nigro-marginata ad peripheriam, altera ad suturam, perist. castaneo.

*Helix gilva* var. Chemn. ed. II. Helix t. 60. f. 11. 12.

Habitat in insula Cuba, var. β prope Holguin in parte septentrionali Cubae.

#### 882. *H. sordida* Pfr.

T. perforata, globoso-depressa, striis incrementi rugosa, epidermide sordide cornea induta, obtuse carinata; spira depressa; anfr.  $4\frac{1}{2}$  vix convexiusculi, ultimus subtus inflatus; umbilicus

angustissimus, non pervius; apertura lunato-rotundata; perist. simplex, reflexiusculum. — Diam. maj.  $44\frac{1}{2}$ , min. 40, alt. 7 mill. (Coll. Nr. 530.)

*Helix sordida* Pfr. Symb. II. p. 39.

— — Chemn. ed. II. Helix N. 344. t. 60. f. 19. 20.

Habitat in India orientali, prope Pondichery (teste Guérin).

### 883. *H. fasciola* Draparnaud. †

T. anguste umbilicata, subdepressa, tenuis, diaphana, cornea, albida; anfr.  $5\frac{1}{2}$ , planiusculi, ultimus vix subcarinatus, linea rufa cinctus; apertura non rotundata, triangularis; perist. album, incrassatum, subangulatum. (Dr.) — Diam. maj. 45, min. 42, alt. 9 mill. (ex ic. Drap.)

*Helix fasciola* Drap. p. 440. t. 6. f. 22—24.

— *fasciola* Fér. pr. 252. Hist. t. 69 A. f. 4?

— — Lam. ed. Dh. 422. p. 84?

Habitat...? Accepit Drap. ex Rochelles, sed in Gallia indigena non est.

Obs. An forte varietas sequentis?

### 884. *H. similis* Férussac.

T. anguste umbilicata, subdepresso-globosa, minute striata. diaphana, pallide cornea, unicolor vel rufo-unizonata; spira magis minusve elata; anfr. 5 convexiusculi; apertura rotundato-lunaris; perist. album, reflexum, margine columellari subdilatato. — Diam. maj.  $45\frac{1}{2}$ , min. 44, alt. 9—11 mill. (Coll. Nr. 534.)

*Helix similis* (Helicogena) Fér. pr. 262. Hist. t. 25 B. f. 4. 4. t. 27 A. f. 3.

— — Rang in Ann. sc. nat. XXIV. p. 45.

— — Chemn. ed. II. Helix N. 343. t. 60. f. 43—46.

— *translucens* King in Zool. Journ. V. p. 339.

— *Woodiana* Lea obs. I. p. 469. t. 49. f. 69.

— *cestus* Bens. in Journ. As. Soc. V. p. 353.

*Bradybaena similis* Beck ind. p. 48.

β. Solidula, anfractu ultimo saepe angulato: diam. maj. 44, min. 42, alt.  $8\frac{1}{2}$  mill. (Spec. javan.)

*Helix addita* Fér. pr. add. p. 74. Hist. t. 25 B. f. 2. 3.

γ. Major: diam. 49, alt. 42 mill. (ex ic.)

*Helix similis* var. Fér. hist. t. 27 A. f. 4. 2.

δ. Minima: diam. maj. 44, min. 42, alt. 10 mill. (Spec.)

ε. Cornea unicolor, peristomate rubello. (Mus. Cuming.)

Habitat in Brasilia circa Rio Janeiro frequens; in insulis Bourbon et Cuba (Rang); Java (Winter!); ins. Seychell.: Malé, Praslin (Dufo p. 498.); Bengalia et China: Macao (Cantor, Lea); var. δ in ins. Mauritii (Barclay).

884. *H. flavescens* Mus. Berol.

T. perforata, depresso-globosa, tenuis, laevigata, opaca, pallide flavescens, lineis spiralibus et strigis pellucidis variegata, cingulo 4 laete castaneo ornata; spira brevis, obtusiuscula; sutura levis, plicatula; anfr.  $4\frac{1}{2}$ ; vix convexiusculi, ultimus antice descendens, subconstrictus; apertura obliqua, rotundato-lunaris; perist. album, breviter expansum, margine basali strictiusculo, columellari superne per dilatato, perforationem suboccultante. — Diam. maj. 12, min. 10, alt. 8 mill. (Mus. Berol.)

*Helix flavescens* M. B. Chemn. ed. II. Helix N. 704. t. 112. f. 14. 15.  
Habitat in Mexico; prope Papantla legit Deppe.

Obs. Species intermedia inter *H. similem* et *griseolam*, ab utraque umbilico angustissimo, etc. diversa.

885. *H. griseola* Pfr.

T. umbilicata, depresso-globosa, oblique striatula, nitidula, grisea, cingulis pallide fulvis, albo-marginatis circumdata; spira brevis; anfr. 4 —  $4\frac{1}{2}$ ; vix convexiusculi; umbilicus angustissimus; apertura lunaris; perist. simplex, album, reflexiusculum, margine columellari subexpanso. — Diam. maj. 10, min.  $8\frac{3}{4}$ , alt. 6 mill. (Coll. Nr. 532.)

*Helix griseola* Pfr. Symb. I. p. 41.

— — Chemn. ed. II. Helix N. 344. t. 60. f. 17. 18.

— *cicercula* Fér. Mus.!

— *splendidula* Ant. Verz. p. 36. (indescript.)

*Bradybaena pisum* Beck ind. p. 18. (Ant. in litt.)

β. Pallide cornea, fascia 1 fulva, utrinque albo-marginata; spira magis elata; apertura rotundato-lunari. — Diam. maj. 10, min.  $8\frac{3}{4}$ , alt.  $7\frac{1}{2}$  mill. (Spec.)

Habitat in republica mexicana, prope Veracruz (Hegewisch); var. β in America centrali.

## §. 63.

886. *H. stenomphala* Mémko.

T. umbilicata, globoso-depressa, subtiliter striata, lutescens, castaneo-trifasciata: fasciis lateralibus dilatatis et dilutis; anfr.  $5\frac{1}{2}$  convexiusculi, ultimus inflatus, antice vix descendens; apertura late lunaris; perist. reflexiusculum, albo-labiatum, marginibus distantibus, columellari dilatato, reflexo, umbilicum angustum semioccultante. — Diam. maj. 34, min. 26, alt. 49 mill. (Coll. Nr. 533.)

*Helix stenomphala* Mke syn. ed. II. p. 126.

— — Rossm. VII. p. 14. f. 458.

*Helix stenomphala* Chemn. ed. II. Helix N. 486. t. 80. f. 41. 42.

*Campylaea stenomphala* Beck ind. p. 25.

Habitat in Croatia.

### 887. *H. banatica* Partsch.

T. aperte umbilicata, globoso-depressa, minutissime decussata, opaca, olivaceo-fuscula, rufo-unifasciata; anfr.  $5\frac{1}{2}$  planiusculi, ultimus non descendens, carinatus: carina antice evanescente; apertura oblique late lunaris; perist. acutum, albo-labiatum, margine dextro expanso, columellari dilatato, reflexo. — Diam. maj. 30, min. 26, alt.  $4\frac{3}{4}$  mill. (Coll. Nr. 534.)

*Helix banatica* Partsch in Mus. Caes. Vindob.

— — Rossm. VII. p. 44. f. 457.

— — Chemn. ed. II. Helix N. 488. t. 80. f. 15. 16.

— *praetexta* Zgl. olim.

Habitat in Banatu Hungariae.

\* \* \*

### 888. *H. fidelis* Gray.

T. umbilicata, orbiculato-conoidea, ruguloso-striata, superne albidula, fusco-nebulosa, basi planulata castanea, infra peripheriam pallide unifasciata; anfr. 7 planiusculi; umbilicus mediocris, pervius; apertura obliqua, lunaris, intus lactea, fasciata; perist. superne expansum, basi incrassatum, subreflexum, margine columellari dilatato. — Diam. maj. 34, min. 30, alt. 20 mill. (Coll. Nr. 535.)

*Helix fidelis* Gray in Proc. Zool. Soc. 1834. p. 67.

— — Müll. synops. p. 8.

— — Chemn. ed. II. Helix N. 320. t. 57. f. 12. 13.

— *Nuttalliana* Lea obs. II. p. 88. t. 23. f. 74.

— — Binn. in Bost. journ. III. p. 369. t. 12.

Habitat in America boreali: Fort Vancouver, Oregon.

### 889. *H. Dupetithouarsii* Deshayes.

T. umbilicata, orbiculato-convexa, laevigata vel substriata, saturate castanea, superne pallidior, nigricanti-rufo cingulata: spira conoideo-obtusa; anfr. 7—8 angusti, convexiusculi, ultimus inflatus; apertura ovato-semilunaris, intus alba, fasciata; perist. simplex, brevissime reflexum, margine columellari arcuato, superne dilatato-reflexo, umbilicum mediocre non occultante. — Diam. maj. 29, min. 25, alt. 17 mill. (Mus. Cuming.)

*Helix Dupetithouarsii* Desh. in Revue zool. 1839. p. 360.

— — Guérin mag. 1841. t. 30.

— — Chemn. ed. II. Helix N. 349.

† Major, superne fulvescens, fasciis saturationibus obsoletis, infra peripheriam subangulosam anfractus ultimi castanea; anfr. 5. — Diam maj. 33, min. 28, alt. 44 mill. (Mus. Grun. et Coll. Nr. 536.)

*Helix Dupetithouarsii* var. *Chemn.* l. c. t. 56. f. 3—5.

Habitat in California.

Obs. Differt ab *H. fideli* testa magis globosa, anfract. angustis, ultimo inflato, etc. — Var.  $\beta$  *H. bipartitae* valde affinis videtur.

**890. *H. californiensis* Lea.**

T. anguste umbilicata, depresso-globosa, tenuis, rugulosa, granulata, fulva, luteo-maculata; spira subturbinata; anfr. 6—7 convexiusculi, ultimus supra peripheriam fascia unica angusta, rufa cinctus, basi inflatus; apertura lunato-rotundata, intus alba, unifasciata; perist. intus albo-labiatum, reflexiusculum, margine columellari dilatato, reflexo, umbilicum semioccultante. — Diam. maj. 28, min. 23, alt. 49 mill. (Coll. Nr. 537.)

*Helix californiensis* Lea obs. II. p. 99. t. 23. f. 79.

— — — *Chemn.* ed. II. N. 324. t. 57. f. 44. 45.

$\beta$ . Spira majore, depressiore:

*Helix Nickliniana* Lea obs. II. p. 100. t. 23. f. 84.

Habitat in California, prope « Columbia-River ».

Obs. Variat praeterea umbilico magis minusve oblecto. — Conf. *H. tuditata* Binn. (Nr. 740.)

**890°. *H. gulosa* Gould. †**

T. globulosa, crassa, rudis, subperforata, obsolete carinata, pallide castanea, colore saturiori nubilata et interdum fasciata; anfr. 6 rotundati, striati, ultimus amplissimus, obsolete costato-carinatus; sutura profunda; apertura magna, rotundata, fauce livida; labrum modice reflexum, albidum, prope columellam latius, umbilicum rimatum tegens. Lat.  $4\frac{1}{10}$ , alt.  $\frac{4}{5}$ , apert.  $\frac{3}{5}$  poll. (G.)

*Helix gulosa* Gould 1846. Exped. shells p. 47.

Habitat in Nova Hollandia (New South Wales).

Obs. « Altitudine anfractus ultimi insignis. Forma *H. californiensis*, textura *H. albolabris*, color *H. badiae*. »

**891. *H. arbustorum* Linn.**

T. subobtectae perforata, depresso-globosa, tenuis, concentricè minutissime striata, longitudinaliter, praesertim ad suturam, ruguloso-striatula, fusca, stramineo conspersa, plerumque rufounifasciata; spira magis minusve elevata; anfr. 6 convexi, ultimus antice vix descendens; apertura lunato-rotundata; perist. candide labiatum, margine supero expanso, basali reflexo, ad umbilicum dilatato. — Diam. maj. 24, min. 20, alt. 46 mill. (Coll. Nr. 538. Spec. typ.)

*Helix arbustorum* L. syst. ed. X. p. 774. N. 596. ed. XII. p. 1245.



Tyroliae et Helvetiae;  $\eta$  in alpe Gamsgrube Carinthiae superioris, ad pedem montis Glockner, circa 8600' supra mare!

Obs. Omnes varietates laudatae formis intermediis junctae sunt.

**892. *H. Townsendiana* Lea.**

T. umbilicatā, depresso-globosa, tenuis, concentrice minutissime striata, longitudinaliter costulato-rugosa, corneo luteoque variegata; spira parum elevata; anfr. 6 planiusculi, ultimus inflatus, antice deflexus; apertura rotundato-lunaris, intus lactea; perist. album, intus labiatum, marginibus conniventibus, supero late expanso, basali strictiusculo, reflexo, columellari brevi, dilatato, umbilicum angustissimum non occultante. — Diam. maj. 29, min. 24, alt. 16 mill. (Coll. Nr. 539.)

*Helix Townsendiana* Lea obs. II. p. 99. t. 23. f. 80.

— — Binn. in Bost. journ. III. p. 374. t. 13.

— — Chemn. ed. II. *Helix* N. 322. t. 57. f. 10. 11.

Habitat in America boreali: Wahlamat (Lea), California.

**893. *H. Estella* Orbigny.**

T. umbilicata, globuloso-depressa, tenuis, diaphana, irregulariter reticulata, brunneo-flavicans vel albida, fascia unica rufo-brunnea ornata; spira brevis, apice obtusa, brunnea; anfr. 4 convexi, ultimus antice deflexus; apertura lunato-subcircularis; perist. reflexum, album, margine columellari dilatato, appresso, umbilicum fere occultante. — Diam. maj. 29, min. 24, alt. 15 mill. (Coll. Nr. 540.)

*Helix Estella* (Helicella) Orb. synops. p. 4.

— — Orb. voy. p. 244. t. 25. f. 5—8.

— — Chemn. ed. II. *Helix* N. 685. t. 109. f. 18—24.

— . . . . Fér. hist. t. 73 B. f. 1. 2.

*Campylaea Estella* Beck ind. p. 27.

$\alpha$ . Reticulata, obtecte perforata: diam. maj. 24, min. 20, alt. 14 mill. (ex ic.)

$\beta$ . Substriata, perforata, magna: diam. 38, alt. 20 mill.

$\gamma$ . Laevigata, perforata, depressa: diam. 23, alt. 11 mill.

Habitat in Bolivia: Valle grande (Orb.).

**894. *H. bicincta* Pfr.**

T. umbilicata, depresso-globosa, tenuis, glabra, pellucida, pallide griseo-lutescens, bicincta: cingulis angustis, contiguis, superiore rufo, inferiore lacteo; sutura albo-marginata; anfr.  $4\frac{1}{2}$  planiusculi, ultimus juxta aperturam vitta nigricante, peristoma circumdante ornatus; apertura lunato-ovalis; perist. patulum, acutum, subreflexum, margine columellari arcuato, perum dila-



tato. — Diam. maj. 20, min.  $16\frac{1}{2}$ , alt.  $12\frac{3}{4}$  mill. (Spec. Hegewisch. — Coll. Nr. 541. juv.)

*Helix bicincta* Pfr. Symb. I. p. 38.

— — *Phil. Icon.* I. 3. p. 49. Helix t. 3. f. 5.

Habitat in provincia Oajaca Mexicanorum (Hegewisch).

### 895. *H. vittata* Müller.

T. perforata, depresso-globosa, striata, albida, fusco et luteo varie fasciata; spira brevis, apice saepe nigricans; anfr. 3 planulati, ultimus basi convexus, antice descendens; apertura lunato-ovalis, intus cum fauce fusco-nigricans; perist. labiatum, expansum, marginibus conniventibus, callo junctis, columellari dilatato, umbilicum semitegente. — Diam. maj. 28, min.  $22\frac{1}{2}$ , alt. 47 mill. (Coll. Nr. 542.)

*Helix vittata* Müll. verm. II. p. 76. N. 274.

— — *Chemn.* IX. P. 2. p. 442. t. 432. f. 4190—92.

— — (*Helicogena*) *Fér.* pr. 33. Hist. t. 25 A. f. 9. t. 26. f. 4—6.

— — *Lam.* 54. p. 80. ed. Dh. p. 50.

— — *Chemn.* ed. II. Helix N. 328. t. 58. f. 45. 46.

— *nemoralis* ♂ & ♀ *Gmel.* p. 3648. (*Schröt. Einl.* t. 4. f. 42.)

*Arianta? vittata* Beck ind. p. 42.

β. Minor, unicolor albida, vertice coerulescenti-fusco: diam. maj. 22. min. 18, alt. 43 mill. (Spec.)

*Helix Spinolae* Villa disp. syst. p. 55.

— *vittata* var. *Grat.* Bord. XI. p. 404. t. 4. f. 49.

— — var. *Chemn.* ed. II. Helix t. 58. f. 47. 48.

γ. Var.?

*Helix vittata* var. *Fér.* hist. t. 26. f. 6.

— *zonula* Wood suppl. t. 7. f. 8.

Habitat in insula Ceylon, in Malabar, Coromandel.

### 896. *H. deflexa* Pfr.

T. anguste umbilicata, depresso-globosa, solidiuscula, oblique striata, albida, fusco obsolete cingulata et maculata; spira brevis; anfr.  $4\frac{1}{2}$  planiusculi, ultimus antice valde deflexus, basi planulatus; apertura lunato-ovalis, coarctata; perist. expansum, marginibus approximatis, callo junctis, columellari intus recto, acuto, dilatato, excavato, perforationem angustam fere tegente. — Diam. maj. 22, min.  $18\frac{1}{3}$ , alt. 43 mill. (Coll. Nr. 543.)

*Helix deflexa* Pfr. in Zeitschr. f. Malak. 1845. p. 453.

— — *Chemn.* ed. II. Helix N. 340. t. 60. f. 21. 22.

Habitat in insula Cuba (Petit de la Saussaie).

897. *H. columbiana* Lea.

T. umbilicata, globoso-depressa, tenuis, luteo-cornea, striata, pilis brevibus, rigidis obsita; spira elevatiuscula; anfr. 6 convexi, ultimus antice vix deflexus, ad aperturam constrictus; apertura rotundato-lunaris; perist. late expansum, intus albo-callosum, margine columellari brevi, subverticali, dilatato, reflexo, umbilicum angustum fere occultante, basali strictiusculo. — Diam. maj. 47, min. 44, alt. 44 mill. (Coll. Nr. 544.)

*Helix columbiana* Lea obs. II. p. 89. t. 23. f. 75.

— — *Chemn.* ed. II. *Helix* N. 331. t. 58. f. 10—12.

Habitat in America boreali: Fort Vancouver (Lea), California, Nootka Sund (Hinds).

Obs. Variat magnitudine. Specim. minorum diam. maj. 45, min. 42½, alt. 9 mill.

897\*. *H. labiosa* Gould. †

T. depresso-conica, subtus convexa, arcte umbilicata, luteo-cornea, pilis sericeis quincuncialiter dispositis undique villosa; anfr. 6 convexi, ultimus immodice crescens et pone labrum valde contractus; apertura angusta, lunata; labrum album, late revolutum; faux livida. — Lat. ⅞, alt. ⅞ poll. (G.)

*Helix labiosa* Gould 1846. Exped. shells p. 46.

Habitat ad Astoria, Oregon.

Obs. Ab auctore comparatur cum *H. palliata*, nec non cum *H. columbiana* Lea, illi incognita. Hanc eandem speciem esse suspicor.

\* \* \*

898. *H. desertorum* Forskal.

T. subobtectè umbilicata, subglobosa, depressiuscula, longitudinaliter striata aut laeviuscula, varie colorata et zonata; anfr. 4½ convexiusculi; apertura angulata (margine columellari in angulum descendente); faux fusca; perist. simplex vel reflexum. — Dimens. variab., plerumque diam. maj. 30, min. 26, alt. 20 mill. (Coll. Nr. 545.)

*Helix desertorum* Forsk. Ehrenb. Symb. phys.

— — *Roth* diss. p. 40.

— — *Chemn.* ed. II. *Helix* N. 45. t. 9. f. 15. 16. 49. 20.

— *maculosa* Born test. p. 371. t. 14. f. 15. 16.

— — *Lam.* 24. p. 72. ed. Dh. p. 39.

— *irregularis* (Helicogena) Fér. pr. 44. Hist. t. 28. f. 5—10.

— — *Caill.* voy. à Méroë IV. p. 264. t. 60. f. 4—3.

— *rhodia* *Chemn.* IX. P. 2. p. 136. t. 132. f. 1179. 80?

— — *Chemn.* ed. II. *Helix* N. 46. t. 9. f. 17. 18?

— *phytophila* Parr.

*Helicogena desertorum* Beck ind. p. 44.

*Descript. de l'Egypte*. Atl. zool. t. 2. f. 6. 7. 9—12.

- α. *H. Forskalii* Ehrenb. — T. depressa, anfractu ultimo ventroso, minutum longitudinaliter et transverse striata, solidiuscula, modo unicolor albicans vel rufa, modo fasciis aut continuis aut interruptis ornata; anfr.  $4\frac{1}{2}$ ; umbilicus in plurimis obtectus, relicta in nonnullis rima parva; aperturæ pars inferior insigniter angulata; perist. reflexum, sublabiatum. — Alt. 10, lat. 15 lin.

*Roth* dissert. p. 40.

*Descript. de l'Egypte* l. c. f. 9. 11.

*Fér. hist.* t. 28. f. 9. 10. t. 32 A. f. 9. 10.

- β. *H. arabica* Roth. — T. minor, valde depressa, obtecte umbilicata, tenuis, longitudinaliter striata, scabra, flavido-grisea, rarius fasciata; anfr.  $4\frac{1}{2}$ , ultimus in medio subangulatus; apex spiræ capituli seu mammillæ instar promuens; apertura angulata (angulo marginis columellaris obtusiore quam in α); faux fusca; perist. subreflexum, simplex, acutum. — Alt. 6 —  $6\frac{1}{2}$ , lat.  $10\frac{1}{2}$  lin.

*Roth* diss. p. 40. t. 1. f. 46.

*Descr. de l'Egypte* l. c. f. 10.

- γ. *H. Hemprichii* Ehrenb. — T. globoso-depressa, umbilicata, striata, scabriuscula, alba, interrupte flavo-fusco zonata, vel fusca, albo-zonata, tamquam characteribus hieroglyphicis inscripta; spira parum elata; anfr.  $4\frac{1}{2}$ ; aperturæ ovatae pars inferior rotundata (in junioribus angulosa); faux fusca; perist. subsimplex, rectum. — Alt. 8, diam. 12 lin.

*Ehrenb.* Symb. phys. Helix N. 4.

*Roth* diss. p. 44.

*Descript. de l'Egypte* l. c. t. 2. f. 12.

- δ. *H. Hasselquistii* Ehrenb. — T. globoso-depressa, albida, calcarea, raro obsolete fasciata (juvenis longitudinaliter striata), solida, crassa; anfr. 5, ultimus valde ventrosus; apertura irregularis, angulata; faux fusca; perist. reflexum, sublabiatum, superstructum, marginibus approximat, interposito labio parvo; umbilicus obtectus. — Alt. 11, lat. 12 lin.

*Ehrenb.* Symb. phys. Helix N. 3. 6.

*Roth* diss. p. 44.

*Descr. de l'Egypte* t. 2. f. 6. 7.

*Fér. hist.* t. 28. f. 5—8.

Habitat in locis desertis Egypti, Lybiae, Arabiae petraeae, Judaeae.

Obs. In tractanda hac specie Cl. Rothium secutus sum, qui omnes varietates, invicem transeuntes, in locis natalibus sedulo observavit.

#### 899. *H. nicaeensis* Férussac. †

T. subperforata, subglobosa, oblique striata, basi rugulosa. alba, cingulis 2 angustis, flavis ornata; anfr. 5 convexiusculi:

apertura lunari-rotundata; perist. subreflexum, margine columellari incrassato, umbilicum tegente, extus lutescente. — Diam. 26, alt. 24 mill. (ex ic.)

*Helix nicaeensis* (Helicogena) Fér. pr. 46. Hist. t. 28. f. 4. 2.

— — Wood suppl. t. 7. f. 44.

*Helicogena Nicaeensis* Beck ind. p. 44.

Habitat ad montem Olympum, prope Nicaeam (Fér.).

Obs. Species ex icone modo mihi nota. Num forsam varietatibus praecedentis adnumeranda?

### §. 64.

#### 900. *H. thyroides* Say.

T. anguste umbilicata, depresso-globosa, corneo-lutea, regulariter striata; spira magis minusve elevata; anfr.  $5\frac{1}{2}$  planiusculi, ultimus basi convexus; apertura lunaris; perist. reflexum, intus album, callosum, marginibus callo tenui, medio tuberculum dentiforme gerente, junctis, columellari umbilicum semioccultante. — Diam. maj. 22, min.  $19\frac{1}{2}$ , alt. 43 mill. (Coll. Nr. 546.)

*Helix thyroides* Say in Philad. journ. II. p. 164.

— — Say Amer. Conch. t. 43. f. 2.

— — (Helicodonta) Fér. pr. 96. Hist. t. 49 A. f. 4.

— — Lam. ed. Dh. 180. p. 144.

— — Binn. in Bost. journ. I. p. 488. t. 48.

— — Gould report p. 474. t. 108.

— *thyroides* Chemn. ed. II. Helix N. 330. t. 58. f. 8. 9.

*Mesodon leucodon* Rafn. (teste Fér.)

*Tridopsis thyroides* Beck ind. p. 23.

Lister t. 94. f. 94.

β? Dente in pariete aperturali nullo: diam. maj. 48, min. 46, alt. 42 mill. (Spec.)

*Helix thyroides* var. Fér. hist. t. 50 A. f. 6.

Habitat in America boreali: Ohio, Missouri, Carolina, etc.

Obs. Var. β (?) a pluribus auctoribus pro *H. Mitchelliana* Lea habetur, et sub hoc nomine ex America mittitur; sed haec imperforata dicitur. (Conf. Nr. 760.)

#### 901. *H. trizonalis* Grateloup. †

T. crassiuscula, orbiculato-convexa, subglobosa, perforata, eleganter sulcato-plicatula, supra fulvo-zonata, infra candida, plicis longitudinalibus obliquis symmetrice dispositis; anfr. 4—5 convexi, ultimus trizonatus, postice cicatosus; apertura oblique ovata, intus bidentata; perist. subcontinuum, margine albo, subreflexo; columella incrassata. — Alt. 44—45, diam. 20 mill. (Gr.)

*Helix trizonalis* Grat. in Act. Bord. XI. p. 404. t. 4. f. 8.

Habitat in insula Cuba (Laterrade).

902. *H. porcellana* Grateloup. †

T. orbiculato-depressa, umbilicata, nitidissima, diaphana, supra flavicans, subtus candida; spira retusa; anfr. 5 convexi, ultimus basi convexus, superne fasciis 2 laete fulvescentibus ornatus; umbilicus excavatus; apertura subovata, basi fortiter bidentata, extus scrobiculata; labrum margine reflexum, album. — Alt. 9, diam. 15 mill. (Gr.)

*Helix porcellana* Grat. Bord. XI. p. 410. t. 4. f. 5. 6.

Habitat in insula Cuba.

## §. 65.

903. *H. Pouzolzi* Deshayes.

T. aperte umbilicata, orbiculato-convexiuscula, striata, superne spiraliter lineata, olivaceo-fuscescens, fusco-trizona: zona media angusta; anfr. 6 planiusculi, ultimus antice deflexus; apertura late lunaris; perist. reflexum, incrassatum, albidum vel sordide carneum. — Diam. maj. 47, min. 40, alt. 24 mill. (Coll. Nr. 547.)

*Helix Pouzolzi* Desh. in Guér. mag. 1834. t. 30.

— — Rossm. IV. p. 4. f. 215.

— — Cantr. Malacol. p. 412. t. 5. f. 6.

— — Chemn. ed. II. Helix N. 79. t. 44. f. 1. 2.

— Varronis Cantr. Bull. Brux. II. p. 109.

— *dalmatina* Parr. (Anton.)

— *ragusana* Fér. Mus.

— *gravosaensis* Mühlf.

— . . . Fér. hist. t. 69 G. f. 3. 4.

*Campylaea Pouzolzi* Beck ind. p. 26.

β. Unifasciata.

γ. Unicolor:

*Helix brenoensis* Mühlf. Mus.

— *Pouzolzi* var. Chemn. l. c. t. 44. f. 3. 4.

— . . . Fér. hist. t. 69 G. f. 4. 2.

δ. Minor: diam. maj. 34, min. 29, alt. 20 mill.

*Helix montenegrina* Zgl.

— *macarana* Mühlf.

— *Pouzolzi* var. Rossm. VII. p. 45. f. 459.

Habitat in Dalmatia! Corsica? (*Pouzolzi*); var. β in Albania, δ in republica Montenegrina.

904. *H. Savignyana* Ehrenberg. †

T. late umbilicata, orbiculata, convexiuscula, transversim densius, longitudinaliter rarius subtilissime striata, olivacea

griseo-flavescente fasciata; labrum reflexum. — Lat. 24, alt. 41 lin. (E.)

*Helix Savigniana* Ehrenb. Symb. phys.

— *Pouzolzi* var.? (Beck.)

An Sav. descr. de l'Égypte t. 2. f. 20? (Ehr.)

Habitat ad lacum Mareotidem prope Alexandriam.

Obs. Cl. auctor speciem *H. algerae* et verticillo affinem dicit; ab his autem peristomate reflexo valde differt. Figura laudata Savigniana evidenter non ad hanc, sed ad *H. algeram* pertinet.

#### 905. *H. Sadleriana* Ziegler.

T. late et aperte umbilicata, orbiculato-depressa, superne pilis brevissimis, rigidis dense obsita, tenuis, diaphana, lutescenti-cornea, rufo-unifasciata, in albida vitta utrinque fasciis dilutissimis terminata; anfr. 5 planulati; apertura rotundato-lunaris; perist. reflexum, albo-labiatum, marginibus distantibus. — Diam. maj. 30, min. 25, alt. 44 mill. (Coll. Nr. 548.)

*Helix Sadleriana* Zgl. Mus.

— — Rossm. VIII. p. 29. f. 502.

— — Chemn. ed. II. *Helix* N. 409. t. 48. f. 23. 24.

Habitat in Croatia, prope Fiume!

Obs. 4. Simillima *H. planospirae*. Differt testa pilosa, spira elatiore et peristomatis margine superno magis arcuato.

Obs. 2. Huic persimilis *H. Raspailii* Payr., ob umbilicum plane consolidatum alio loco quaerenda. (Conf. Nr. 739.)

#### 906. *H. planospira* Lamarck.

T. aperte umbilicata, orbiculato-depressa, nuda, nitida, cornea, in albida vitta rufo-unifasciata, superius fascia altera rufa, diluta; anfr. 5½ planulati, ultimus antice breviter deflexus; apertura rotundato-lunaris; perist. reflexum, albo-labiatum, marginibus remotis. — Diam. maj. 30, min. 25, alt. 43 mill. (Coll. Nr. 549.)

*Helix planospira* Lam. 48. p. 78. ed. Dh. p. 48.

— — Rossm. II. p. 3. f. 90. VIII. p. 30. f. 503.

— — Desh. in *Fér.* hist. p. 23.

— — Chemn. ed. II. *Helix* N. 482. t. 80. f. 4—4.

— *zonata* C. Pfr. III. p. 49. t. 5. f. 7. 8.

— — var. *Fér.* hist. t. 68. f. 40. (fig. dextr. et sinistr.)

— *vittata* Crist. et Jan. catal.

— *umbilicaris* Brumati p. 28.

*Campylaea planospira* Beck ind. p. 25.

*Corneola planospira* Held in Isis 1837. p. 912.

β. Minor: diam. maj. 23, min. 19, alt. 40 mill. (Spec.)

*Helix planospira* Mich. compl. p. 36. t. 44. f. 3. 4?

*Helix zonata* var. *romana* Fér. hist. t. 69 A. f. 4?

γ. Albina, vitrea absque fasciis.

Habitat in Illyria et Italia boreali; var. β et γ (rarissimam) in monte Loibl Carinthiae legi.

907. *H. macrostoma* Mühlfeldt.

T aperte umbilicata, orbiculato-depressa, opaca, superne subtilissime granulata, flavescens, rufo-unizonata; anfr. 5 vix convexusculi, ultimus antice descendens; apertura late lunaris; perist. late reflexum, albo-labiatum, palato subincrassato. — Diam. maj. 29, min. 25, alt. 14 mill. (Coll. Nr. 550.)

*Helix macrostoma* Mühlf. in Mus. Caes. Vindob.

— — Rossm. IV. p. 1. f. 216.

— — Phil. Sicil. II. p. 111.

— — Chemn. ed. II. Helix N. 408. t. 18. f. 17. 18.

— *planospira* Phil. Sicil. I. p. 130.

— — var. *Cantr.* Malac. p. 113.

— *siculina* Zgl. olim.

— *pervia* et *didyma* Mühlf. olim.

— . . . Fér. hist. t. 69 E. f. 6—9. 10?

*Campylaea macrostoma* Beck ind. p. 25.

*Corneola macrostoma* Held in Isis 1837. p. 912.

β. Minor, tenuis, diaphana, diam. maj. 26, min. 22, alt. 11 mill. (Spec.)

*Helix cryptozona* Zgl. Mus.

— — Rossm. IV. p. 2. f. 217.

γ. Unicolor lutescens, solida, absque fascia.

Habitat in Sicilia.

Obs. Hoc loco conf. H. Quimperiana Nr. 4001.

908. *H. setipila* Ziegler.

T. umbilicata, orbiculato-depressa, alutacea, opaca, nigro-setulosa, fusco-cornea, in albida vitta fusco-unifasciata, superius altera fascia pallide fusca; anfr. 4½ planulati, ultimus vix descendens; apertura rotundato-lunaris; perist. reflexum, albido-labiatum, marginibus remotis. — Diam. maj. 27, min. 22, alt. 12 mill. (Coll. Nr. 554.)

*Helix setipila* Zgl. Mus. Rossm. II. p. 2. f. 89.

— — Desh. in Fér. hist. p. 34. t. 69 F. f. 4—5! (Nec t. 68. f. 3.)

— — Chemn. ed. II. Helix N. 483. t. 80. f. 13. 14.

*Campylaea setipila* Beck ind. p. 26.

*Corneola setipila* Held in Isis 1837. p. 912.

Habitat in Italia.

909. *H. hirta* Menke.

T. umbilicata, orbiculato-depressa, planospira, tenera, hirta, cinereo-cornea, obsolete unifasciata; anfr.  $4\frac{1}{2}$  planiusculi, ultimus vix descendens; apertura irregulariter late lunaris; perist. reflexum, flexuosum, candido-labiatum, margine columellari recto. — Diam. maj. 24, min.  $17\frac{1}{2}$ , alt. 9 mill. (Coll. Nr. 552.)

*Helix hirta* Mke syn. p. 76. ed. 2. p. 126.

— — Rossm. II. p. 5. f. 95. X. p. 12. f. 599.

— — Desh. in *Fér.* hist. p. 26. t. 69 F. f. 6—10.

— — Chemn. ed. II. *Helix* N. 477. t. 79. f. 17. 18.

— *Feburiana* var. *Cantr.* Malac. p. 114.

*Campylaea hirta* Beck ind. p. 26.

*Corneola hirta* Held in Isis 1837. p. 912.

Habitat in Illyria et Croatia. (Prope Fiume ipse legi!)

910. *H. diluta* Pfr.

T. umbilicata, depressa, orbicularis, tenuis, pellucida, flavo-cornea, fasciis 3 ornata: media saturate rufa, supera et infera latiore dilutis; anfr. 4 planiusculi; umbilicus angustus, pervius; apertura perobliqua, lunaris; perist. simplex, margine columellari expanso, carneo. — Diam. maj. 22, min.  $17\frac{1}{2}$ , alt. 11 mill. (Coll. Nr. 553.)

*Helix diluta* Pfr. Symb. II. p. 27.

— — Phil. Icon. I. 4. p. 80. t. 4. f. 11.

— — Chemn. ed. II. *Helix* N. 484. t. 80. f. 7. 8.

Habitat in Peruvia: Cusco. (Mus. Paris.)

911. *H. pyrenaica* Draparnaud.

T. anguste umbilicata, orbiculato-depressa, superne planiuscula, tenuis, pellucida, olivaceo-cornea; anfr. 5 subplanulati, ultimus non descendens; apertura lunaris; perist. acutum, reflexum, candido-labiatum, margine columellari dilatato. — Diam. maj. 19, min. 16, alt. 8—9 mill. (Coll. Nr. 554.)

*Helix pyrenaica* Drap. p. 111. t. 13. f. 7.

— — (Helicella) *Fér.* pr. 170. Hist. t. 69. f. 5.

— — Lam. ed. Dh. 124. p. 85.

— — Rossm. IV. p. 2. f. 218.

— — Chemn. ed. II. *Helix* N. 406. t. 18. f. 21. 22. t. 19. f. 16. 17.

*Campylaea pyrenaica* Beck ind. p. 26.

*Corneola pyrenaica* Held in Isis 1837. p. 912.

Habitat in montibus Pyrenaeis.



912. **H. pyrrhozona Philippi.**

T. umbilicata, depressa, tenuis, subdiaphana, corneo-albida. superne confertim costulato-striata, basi tenuiter striata; spiraparum elevata, apice non obtusata; anfr.  $5\frac{1}{2}$  convexiusculi, ultimus ad peripheriam rufo-unizonatus, teretiusculus, antice vix descendens; umbilicus mediocris, pervius; apertura subverticalis, lunaris; perist. vix expansiusculum, intus labio crasso, albo, marginem non attingente, ad basin tuberculum indistinctum formante, munitum. — Diam. maj. 44, min. 43, alt. 8 mill. (Coll. Nr. 555.)

*Helix pyrrhozona Phil.* Icon. II. 9. p. 2. Helix t. 6. f. 4.

— — Chemn. ed. II. Helix N. 478. t. 79. f. 7—9.

Habitat in China (Largilliert).

913. **H. frigida Jan.**

T. aperte umbilicata, orbiculato-depressa, planospira, solida, cinereo-albida; anfr. 5 convexi, ultimus circa umbilicum medio-crem subcompressus, antice vix descendens; apertura rotundato-lunaris, intus fuscula; perist. albo-labiatum, marginibus distantibus, columellari reflexiusculo. — Diam. maj. 24, min. 19, alt. 9 mill. (Coll. Nr. 556.)

*Helix frigida Crist. et Jan.* catal. Mantissa p. 2.

— — Rossm. III. p. 5. f. 157.

— — Desh. in Fér. hist. p. 30. t. 69 F. f. 44—44.

— — Chemn. ed. II. Helix N. 504. t. 82. f. 43. 44.

*Campylaea frigida Beck* ind. p. 24.

*Cingulifera frigida Held* in Isis 1837. p. 944.

β. Minor, unifasciata: diam. maj. 48, min. 45, alt. 8 mill. (Spec.)

*Helix insubrica Crist. et Jan.* Mant. p. 2.

— *frigida* var. Rossm. VIII. p. 33. f. 542.

Habitat in Alpibus Italiae borealis.

914. **H. Fontenillii Michaud.**

T. late et profunde umbilicata, orbiculato-depressa, pellucida, albido corneoque marmorata, longitudinaliter striata; anfr. 6 subplani, ultimus carinatus, vix descendens; apertura subverticalis, lunaris; perist. reflexiusculum, albo-labiatum, margine columellari subdilato. — Diam. maj. 20, min. 17, alt. 8 mill. (Coll. Nr. 557.)

*Helix Fontenillii Mich.* Bull. Bord. III. p. 267. f. 43. 44.

— — Mich. compl. p. 38. t. 44. f. 48. 49.

— — Chemn. ed. II. Helix N. 509. t. 82. f. 44. 42.

— *tigrina* var. *Michaudiana* Rossm. VIII. p. 32. f. 540.

— *strigata* var. *Cantr.* Malac. p. 444.

— . . . Fér. hist. t. 69 F. f. 49. 20.

*Campylaea Fontenillii Beck* ind. p. 25.

Habitat in Gallia. (Grande Chartreuse, Isère: Mich.)

915. *H. carascalensis* Férussac.

T. anguste umbilicata, globoso-depressa, striata, lutescens, corneo-variegata et subfasciolata; spira convexiuscula; anfr.  $5\frac{1}{2}$  convexiusculi; apertura transverse rotundato-lunaris; perist. patulum, acutum, intus leviter labiatum, margine columellari late reflexo. — Diam. maj. 45, min. 43, alt.  $8\frac{1}{2}$  mill. (Coll. Nr. 558.)

*Helix carascalensis* (Helicella) Fér. pr. 458. Hist. t. 67. f. 4.

— — Mich. compl. p. 29. t. 14. f. 23.

— — Lam. ed. Dh. 120. p. 83.

— — Rossm. IX. p. 7. f. 570.

— — Chemn. ed. II. Helix N. 497. t. 82. f. 1—3.

*Campylaea carascalensis* Beck ind. p. 24.

Habitat in Arragonia (Fér.), Pyrenaeis (Mich.).

916. *H. virgulata* Sowerby. †

T. mediocriter umbilicata, suborbicularis, depressiuscula, lineis incrementi subprofunde striata, laete brunnea, leviter carinata, ad carinam castaneo-cingulata; spira subconica; anfr. 5 convexiusculi; apertura lata, lunaris, intus brunneo-fasciata; perist. intus incrassatum, leviter patulum. — Diam. maj. 49, alt. 42 mill. (ex ic.)

*Helix virgulata* Sow. in Zool. of Beech. voy. p. 444. t. 38. f. 9.

Habitat . . . ?

## §. 66.

917. *H. campesina* Ezquerria.

T. umbilicata, subgloboso-depressa, striis incrementi distinctis et lineis profunde impressis spiralibus confertim reticulata, griseo-carnea, fusco obsolete fasciata et maculata; spira brevis, obtusa; anfr.  $4\frac{1}{2}$  vix convexiusculi, ultimus inflatus, antice subito deflexus, basi juxta umbilicum mediocrem non pervium subcompressus; apertura perobliqua, lunato-ovalis; perist. acutum, intus sublabiatum, marginibus approximatis, supero expanso, basali valde reflexo, columellari dilatato, patente, umbilicum semioccultante. — Diam. maj. 39, min. 32, alt. 49 mill. (Coll. Nr. 559.)

*Helix campesina* Ezq. (teste Bronn catal. 1845.)

— — Pfr. Symb. III. p. 76.

— — Chemn. ed. II. Helix N. 444. t. 49. f. 44. 45.

Habitat in Hispania.

Obs. Habitu persimilis *H. alonensis* Fér. (Conf. Nr. 744.) Differt umbilico aperto, sculptura distinctiore, apertura magis deflexa, peristomatis marginibus valde approximatis, basali angulatim reflexo, libero. — Similis *H. spiriplanac* Oliv. (Nr. 954.), sculptura, marginibus non junctis etc. diversa.

918. *H. Hoffmanni* Partsch.

T. subobtecte umbilicata; depresso-globosa, tenera, hispida, lutescens, uni- vel obsolete trifasciata; anfr. 5 convexiusculi, ultimus antice valde deflexus; apertura perobliqua, rotundato-ovalis; perist. latum, reflexum, sublabiatum, marginibus conniventibus, basali dilatato, calloso. — Diam. maj. 34, min. 26, alt. 48 mill. (Coll. Nr. 560.)

*Helix Hoffmanni* Partsch in Mus. Caes. Vindob.

— — Rossm. IV. p. 4. f. 224.

— — Chemn. ed. II. Helix N. 487. t. 80. f. 5. 6.

— *monozona* Zgl. Mus.

*Campylaea Hoffmanni* Beck ind. p. 26.

*Corneola Hoffmanni* Held in Isis 1837. p. 942.

Habitat circa Cattaro Dalmatiae.

919. *H. insolida* Ziegler.

T. umbilicata, globoso-depressa, nuda, corneo-lutescens, anguste 3-fasciata, striata; anfr. 5 convexi, ultimus antice subito deflexus; apertura obliqua, transverse ovalis; perist. reflexum, sublabiatum, marginibus conniventibus, subconnexis, columellari basi dilatato, tuberculifero. — Diam. maj. 32, min. 26, alt. 47 mill. (Coll. Nr. 561.)

*Helix insolida* Zgl. Mus. Rossm. VIII. p. 34. f. 506.

— — Chemn. ed. II. Helix N. 475. t. 79. f. 24 — 23.

— *praelectata* Parr.

Habitat in Albania.

Obs. Differt ab *H. Hoffmanni* testa nuda, umbilico latiore, tuberculo marginis basalis aperturae exquisito.

920. *H. trizona* Ziegler.

T. umbilicata, orbiculato-convexiuscula, lutescenti-albida, castaneo-trizonata; anfr. 5 — 5½ subplanulati, ultimus antice deflexus; apertura perobliqua, rotundato-ovalis; perist. subsimplex, marginibus conniventibus, supero expanso, basali reflexo, columellari dilatato. — Diam. maj. 30, min. 26, alt. 45 mill. (Coll. Nr. 562.)

*Helix trizona* Zgl. Mus. Rossm. II. p. 4. f. 87.

— — Desh. in Fér. hist. p. 23.

— — Chemn. ed. II. Helix N. 474. t. 79. f. 5. 6.

— *zonata* var. Fér. hist. t. 68. f. 40. (med.) t. 69 A. f. 6.

— *planospira* var. Cantr. Malac. p. 443.

— *tricincta* Mf. Mus.

*Campylaea trizona* Beck ind. p. 25.

*Cingulifera trizona* Held in Isis 1837. p. 944.

*β. Minor*, arctius spirata: diam. maj. 22, min. 19, alt. 14 mill. (Spec.)

*Helix rumelica* Zgl. Mus. Rossm. VIII. p. 30. f. 504.

— *rhodopea* et *Sanderiana* Friv.

— *trizona* var. Chemn. ed. II. Helix t. 79. f. 13. 14.

Habitat in alpinis Mehadiae Banatus, var. *β* in Rumelia.

### 921. *H. trigrammephora* Orbigny.

T. umbilicata, orbiculato-convexiuscula, striatula, nitida, flavo-albida, lineis 3 castaneis ornata; spirā brevis, obtusa; anfr. 5 convexiusculi, ultimus antice descendens; apertura rotundato-lunaris; perist. subsimplex, album, marginibus conniventibus, supero expanso, basali reflexo, columellari dilatato, umbilicum mediocre non occultante. — Diam. maj. 25, min. 24, alt. 13 mill. (Coll. Nr. 563.)

*Helix trigrammephora* (Cochlodon) Orb. synops. p. 22.

— — — Orb. voy. p. 242. t. 25. f. 9—11.

— — — Chemn. ed. II. Helix N. 473. t. 79. f. 1—4.

— . . . Fér. hist. t. 69 H. f. 11. 12.

*Campylaea trigrammephora* Beck ind. p. 27.

Habitat in Bolivia: Valle grande (Orb.).

Obs. Variat spirā magis minusve elevata, nec non umbilico angustissimo, margine columellari semioblecto.

### 922. *H. Naxiana* Férussac.

T. umbilicata, depresso-globosa, oblique striata, fusca, albido-strigata et cingulo albo, rufo-marginato ornata; spirā sub-elata; anfr. 5 planiusculi, ultimus antice deflexus, subconstrictus; umbilicus angustus, pervius; apertura lunato-circularis; perist. intus albo-labiatus, reflexum, marginibus approximatis. — Diam. maj. 14, min. 12, alt. 9 mill. (Mus. Cuming.)

*Helix Naxiana* Fér. pr. p. 68.

— — — Pfr. Symb. III. p. 77.

— *Naxientia* (Helicella) Fér. pr. 166. Hist. t. 69. f. 1.

*β. Alba*, cingulis 3 rufis: diam. maj. 18, min. 15½, alt. 11 mill. (Coll. Nr. 566.)

*Helix Naxiana* var. Chemn. ed. II. Helix N. 479. t. 79. f. 24. 25.

Habitat in insulis Naxos et Candia (Fér.), var. *β* prope Suda Can-diae (Forbes).

### 923. *H. leota* Férussac.

T. umbilicata, globoso-depressa, tenuis, oblique confertim costato-plicata, alba, unicolor vel fasciis 3 angustis, fuscis cingulata; anfr. 5 planiusculi, ultimus basi ventrosus, antice deflexus; umbilicus angustus, pervius; apertura perobliqua, subcircularis; perist. intus labiatum, album, undique breviter expansum, mar-

ginibus approximatis, callo junctis, columellari dilatato. — Diam. maj. 47, min. 45, alt. 40 mill. (Mus. Cuming. et Coll. Nr. 563. juv.)

*Helix lecta* (Helicella) Fér. pr. 467. Hist. t. 69. f. 2.

— — Pfr. Symb. III. p. 77.

— — Chemn. ed. II. Helix N. 447. t. 74. f. 4. 5.

*Theba lecta* Beck ind. p. 42.

Habitat in insula Candia (Oliv., Fér.), ins. Theodoro in sinu Khamia Candiae (Forbes), var. unicolor prope Trapezuntum.

#### 924. *H. peltita* Férussac.

T. perforata, orbiculato-convexa, subdepressa, fulvida, fascia alba utrinque rufo-marginata ornata, costulato-striata, pilis erectis, rigidis obsita; anfr. 5 convexiusculi, ultimus antice deflexus; apertura subcircularis, intus margaritacea; perist. acutum, intus albo-labiatum, marginibus approximatis, callo tenui junctis. — Diam. maj. 45, min. 44, alt. 9½ mill. (Coll. Nr. 566.)

*Helix peltita* (Helicella) Fér. pr. 468. Hist. t. 69. f. 3.

— — Chemn. ed. II. Helix N. 480. t. 79. f. 49. 20.

— *peltita* Lam. ed. Dh. 136. p. 94.

— — Roth diss. p. 15.

β. Minor: diam. maj. 43, min. 41, alt. 7½ mill. (Spec.)

Habitat in Morea (Dh.), ins. Rhodo (Oliv.), ins. Syra (Roth, Forbes).

\* \* \*

#### 925. *H. luhuana* Sowerby.

T. late umbilicata, suborbicularis, depressiuscula, lineis incrementi irregulariter rugulosa, brunnea; anfr. 6 planiusculi, ultimus rotundatus, supra medium fascia angusta nigricante cinctus, antice vix descendens, circa umbilicum infundibuliformem subcompressus; apertura lata, rotundato-lunaris; perist. intus subincrassatum, marginibus conniventibus, supero arcuato, expanso. basali breviter reflexo, columellari vix dilatato. — Diam. maj. 41, min. 35, alt. 20 mill. (Mus. Cuming.)

*Helix luhuana* Sow. Beech. voy. p. 440. t. 35. f. 4.

Habitat ad Loo-Choo.

Obs. Habitu persimilis *H. Pouzolzi*.

#### 926. *H. Lefebvriana* Férussac.

T. umbilicata, orbiculato-depressa, planospira, tenera, pubescens, cinereo-cornea, unifasciata; anfr. 5 deplanati, ultimus antice deflexus; apertura perobliqua, rotundato-lunaris; perist. acutum, reflexum, albido-labiatum, marginibus conniventibus. curvatis. — Diam. maj. 29, min. 24, alt. 13 mill. (Coll. Nr. 567.)

*Helix Lefebvriana* (Helicella) Fér. pr. 474. Hist. t. 69. f. 6.

*Helix Lefebvriana* Chemn. ed. II. *Helix* N. 489. t. 84. f. 4. 2.

— *Lefeburiana* C. Pfr. III. p. 24. t. 5. f. 10. 14.

— *Feburiana* Rossm. II. p. 5. f. 94. VIII. p. 29. f. 504.

— — *Desh.* in *Fér.* hist. p. 28.

— *deplana* Mühlf. Mus.

— *hirsuta* Brumati p. 29. f. 4. 2.

*Campylaea Feburiana* Beck ind. p. 26.

*Corneola feburiana* Held in *Isis* 1837. p. 942.

Habitat in Illyria, praesertim in prov. Austriae littorali (prope Görz!), in Carnioliae valle Wippacensi.

### 977. *Hel. foetens* Studer.

T. late umbilicata, depressa, cornea, alhido-cincta, fusco-subfasciata et quasi variegata; anfr.  $5\frac{1}{2}$  planulati, ultimus antice deflexus; apertura perobliqua, subrotundata; perist. simplex, expansum, marginibus approximatis, exteriore deflexo. — Diam. maj. 23, min. 20, alt. 40 mill. (Coll. Nr. 568.)

*Helix foetens* Stud. Verzeichn. p. 44.

— — C. Pfr. III. p. 20. t. 5. f. 42.

— — Rossm. II. p. 4. f. 92.

— — *Desh.* in *Fér.* hist. p. 25.

— — Chemn. ed. II. *Helix* N. 494. t. 84. f. 5. 6.

— *zonata* var. *Fér.* hist. t. 69 A. f. 3.

— — var. *Charp.* in *Neue Denkschr.* I. 1837.

— *zonaria* y *Htm.* in *Neue Alpina* I. p. 228. t. 2. f. 10.

— *cornea* Voith in *Sturm's Fauna.*

*Campylaea foetens* Beck ind. p. 25.

*Corneola foetens* Held in *Isis* 1837. p. 942.

♂. Minor, nitidissima, fascia supera saturate fusca:

*Helix euzona* Menke syn. ed. II. p. 48.

— *cingulata* β *Fér.* hist. t. 68. f. 4.

— *marginata* Mühlf. Mus.

— *achates* Zgl. Mus.

— *achatina* Pot. et Mich. gal. I. p. 68.

— *ichthyomma* Held.

— *foetens* var. Rossm. X. p. 42. f. 600.

— *cingulina* *Desh.* in *Fér.* hist. p. 26. \*)

Habitat in Alpibus Helvetiae et Austriae, Salisburg. («Öfen der Salzach» prope Golling!), Tyrolens. — Specimina majora usque 27 mill. diam. in Styria legi «im Mürzthal». — Var. β in monte Schneeberg Austriae (Dh.).

\*) T. orbiculato-depressa, plana, fufcescente, translucida, exilissime striata, zonula albida superne fusco marginata cincta; anfract. subplanis, substriatis, ultimo basi late umbilicato; apertura ovato-lunari; margine angusto, albo, reflexo, extremitatibus disjunctis. — Diam. 24, alt. 9 mill. (*Desh.* l. c.)

928. *H. cingulata* Studer.

T. umbilicata, orbiculato-convexa, griseo-carnea, fusco-uni-fasciata; anfr. 5 vix convexiusculi, ultimus deflexus; apertura perobliqua, subrotunda; perist. simplex, acutum, intus sublabiatum, marginibus approximatis, supero expanso, basali reflexo, columellari dilatato. — Diam. maj. 26, min. 21, alt. 13 mill. Cell. Nr. 569.)

*Helix cingulata* Stud. Verzeichn. p. 14.

- — Helicella Fér. pr. 164. Hist. t. 68. f. 5. 6.
- — C. Pfr. III. p. 19. t. 5. f. 6 et 9.
- — (Chilostoma) Charp. catal. moll. Suisse p. 8.
- — Lam. ed. Dh. 131. p. 89.
- — Rossm. II. p. 1. f. 88.
- — Desh. in Fér. hist. p. 34.
- — Chemn. ed. II. Helix N. 107. t. 18. f. 15. 16.
- subflava Fér. olim.
- zonaria  $\beta$  Hartm. p. 228. t. 2. f. 9.
- luganensis Schintz. (teste Charp.)

*Campylaea cingulata* Beck ind. p. 25.

*Cingulifera cingulata* Held in Isis 1837. p. 911.

$\beta$ . Unicolor, absque fascia:

*Helix cingulata*  $\alpha$  Fér. hist. t. 68. f. 3!

— — var. Rossm. VI. p. 39. f. 371.

$\gamma$ . Minor: diam. maj. 24, min. 18, alt. 10 — 11 mill.

*Helix cingulata* var. Rossm. VI. f. 372.

$\delta$ . Major, marginibus subconnexis, umbilico latiore: diam. maj. 29, min. 24, alt. 13 mill.

*Helix baldensis* Villa disp. syst. p. 55.

— *cingulata* var. *baldensis* Rossm. X. p. 43. f. 603. 4.

$\epsilon$ . Lactea, bizona, fascia altera inferiore diluta, marginibus remotioribus, apertura rotundiore, minus obliqua: diam. maj. 24, min. 21, alt. 12 mill.

*Helix cingulata* var. *bizona* Rossm. XI. p. 1. f. 683.

$\zeta$ . Fusco-aspera, zona pallida: diam. et alt. sicut in  $\alpha$ .

*Helix colubrina* Jan Mantissa p. 2.

— — Desh. in Fér. hist. p. 33. t. 69 F. f. 15—18.

— *striatula* O. Fabr. (teste Beck.)

— *cingulata* var. Rossm. VI. p. 39. f. 370.

*Campylaea colubrina* Beck ind. p. 25.

Habitat in Tyrolia, Illyria, var.  $\delta$  in Monte Baldo,  $\epsilon$  prope Nizza,  $\zeta$  in Lombardia.

Obs. Etsi clari auctores *H. colubrinam* bonam speciem habeant, imo Cl. Porro (p. 30.) tres ejus varietates distinguat (sc.  $\alpha$  nubilam Zgl.,  $\beta$  fasciatam,  $\gamma$  albidam) characteres constantes praeter colorem eruere non potui.

929. *H. Schmidtii* Högler.

T. umbilicata, orbiculato-convexiuscula, solida, fusca, rugoso-striata, stramineo vel albido variegata; anfr. 5 — 5½, convexi, sensim accrescentes, ultimus antice vix deflexus; umbilicus medius, pervius; apertura rotundato-lunaris, fauce fusca; perist. albo-labiatum, marginibus conniventibus, supero vix expanso, basali breviter reflexo, columellari vix dilatato. — Diam. maj. 24, min. 24, alt. 42 mill. (Coll. Nr. 570.)

*Helix Schmidtii* Zgl. Mus. Rossm. III. p. 5. f. 156.

— — Chemn. ed. II. Helix N. 493. t. 84. f. 13—16.

— *cobubrina* var. Desh. in Fér. hist. p. 33.

*Campylaea Smithii* Beck ind. p. 25.

*Cingulifera Schmidtii* Held in Isis 1837. p. 944.

Habitat in alpinis Carnioliae, ubi semper in Papavere alpino degentem detexit Cl. Schmidt.

930. *H. alpina* Faure-Bigot.

T. umbilicata, orbiculato-convexa, obsolete carinata, luteola, epidermide decidua fusculo-variegata, striata, lineis spiralibus subtilissimis undulatis sculpta; anfr. 5 convexi; apertura rotundato-lunaris; perist. simplex, albo-labiatum, margine supero recto, basali breviter, columellari latius reflexo. — Diam. maj. 49, min. 16, alt. 40 mill. (Coll. Nr. 574.)

*Helix alpina* (Helicella) Faure-Big. Fér. pr. 160. Hist. t. 67. f. 3.

— — Mich. compl. p. 34. t. 14. f. 16. 17.

— — Rossm. III. p. 6. f. 158.

— — Desh. in Fér. hist. p. 36.

— — Chemn. ed. II. Helix N. 492. t. 84. f. 7. 8.

— *strigata* var. Cantr. Malac. p. 144.

*Campylaea alpina* Beck ind. p. 24.

*Cingulifera alpina* Held in Isis 1837. p. 944.

β. Unizonata: diam. maj. 24, min. 18, alt. 44 mill. (Spec.)

*Helix phalerata* Zgl. Rossm. III. p. 6. f. 159.

— — Desh. in Fér. hist. p. 34. t. 69 E. f. 11. 18—22.

— *alpina* var. Chemn. ed. II. Helix t. 84. f. 9—12.

*Cingulifera phalerata* Held in Isis 1837. p. 944.

γ. Major, unizonata: diam. maj. 27, min. 24, alt. 44 mill. (Spec.)

Habitat in alpinis Galliae (Grande Chartreuse: Mich.), et Carinthiae (1) var. β et γ in alpinis Carinthiae et Carnioliae.

Obs. *H. alpina* et *phalerata* distingui non possunt; utraque varietas spirae magis minusve elevata et magnitudine. In connubio legi concolorem et phaleratam in cacumine montis Ovir prope Klagenfurt. (Conf. Pfr. in Wiegmann. Arch. 1844. I. p. 220.)



931. *H. Preslii* Schmidt.

T. late umbilicata, suborbiculata, superne planiuscula, striata, cinereo-carnea, supra fuscule-variegata, dilute subtrifasciata; anfr. 5 planulati, ultimus antice deflexus; apertura perobliqua, subcircularis; perist. reflexum, sublabiatum, marginibus conniventibus. — Diam. maj. 27, min. 22, alt. 10 mill. (Coll. Nr. 572.)

*Helix Preslii* Schmidt. Rossm. IV. p. 4. f. 225.

— — Chemn. ed. II. Helix N. 490. t. 84. f. 3. 4.

— *strigata* var. Cantr. Malac. p. 111.

— *insubrica* Desh. in Fér. hist. p. 30. \*) (exclus. icon.)

*Cingulifera Preslii* Held in Isis 1837. p. 911.

β. Fascia media distincta, lateralibus in variegationem latam maculosam dissolutis:

*Helix Preslii* var. *nisoria* Rossm. VIII p. 32. f. 509.

γ. Fasciis 3 dilutis nullis, marginibus aperturæ approximatis:

*Helix Preslii* var. Phil. Sicil. II. p. 111.

Habitat in alpinis Carnioliae (Schmidt), β in Lombardia et Turcia (Fér.), γ circa Piedimonte d'Alife (Scacchi, Phil.).

Obs. 1. Ab *H. cingulata* semper differt spira plana, anfractibus lentius accrescentibus, marginibus peristomatibus minus approximatis et striis confertioribus atque subtilioribus.

Obs. 2. Figurae Fér. t. 69 F. f. 1—5, a Deshayesio ad *H. insubricam* citatae, *H. setipilam* exhibent; fig. Fér. t. 68. f. 3, a Deshayesio ad *setipilam* citata, est *H. cingulata* var. *unicolor*.

932. *H. tigrina* Jan.

T. late umbilicata, suborbiculata, superne planiuscula, sericina, subtiliter striata, subtus convexa, fusculo albidoque variegata; anfr. 5 planiusculi, ultimus carinatus, antice subito deflexus; apertura subcircularis; perist. intus sublabiatum, marginibus conniventibus, supero simplice, basali reflexo. — Diam. maj. 23, min. 20, alt. 9½ mill. (Coll. Nr. 573.)

*Helix tigrina* Crist. et Jan. catal. Mant. p. 2.

— — Rossm. IV. p. 4. f. 226.

— — Desh. in Fér. hist. p. 37. t. 69 J. f. 14—17.

— — Chemn. ed. II. Helix N. 499. t. 82. f. 9. 10.

— *strigata* var. Cantr. Malac. p. 111.

*Campylaea tigrina* Beck ind. p. 25.

*Cingulifera tigrina* Held in Isis 1837. p. 911.

Habitat in alpinis Lombardiae.

\*) T. late umbilicata, orbiculato-depressa, albo-grisea pallide fusco-guttata, obscure angulata; anfract. subplanis, tenue et irregulariter striatis; apertura perobliqua, ovata; perist. albo, reflexo, marginibus subapproximatis. — Diam. 22, alt. 10 mill. (Desh. l. c.) — Conf. descriptio accuratio.

933. *H. zonata* Studer.

T. umbilicata, orbiculato-convexa, olivacea, subpellucida, fusco-unifasciata; anfr.  $5\frac{1}{2}$  convexiusculi, ultimus antice descendens; apertura lunato-ovalis; perist. simplex, marginibus subconniventibus, supero expanso, basali reflexo, columellari dilatato. — Diam. maj. 24, min. 18, alt. 44 mill. (Coll. Nr. 574.)

*Helix zonata* Stud. Naturwiss. Anzeiger 1820. N. 11. S. 87.

— — (Helicella) Fér. pr. 165. Hist. t. 68. f. 8. t. 75 B. f. 4.  
(c. anim.)

— — Rossm. II. p. 3. f. 94.

— — Desh. in Fér. hist. p. 27.

— — Chemn. ed. II. Helix N. 496. t. 82. f. 4. 5.

— zonaria a Hartm. p. 228. t. 2. f. 8.

*Chilostoma zonatum* Füz. syst. Verz. p. 987

*Campylaea zonata* Beck ind. p. 25.

*Corneola zonata* Held in Isis 1837. p. 942.

β? Monstrosa:

*Zonites planospirus* Hartm. Gast. I. p. 161. t. 53.

γ? Scalaris:

*Helix zonata monstr.* Fér. t. 68. f. 9.

Habitat in alpihus Pedemontanis et Valesiacis, nec non in monte Scti Gotthardi.

934. *H. faustina* Ziegler.

T. umbilicata, orbiculato-convexa, laevigata, nitida, superne lutea, rufo-unifasciata, subtus fuscescens; anfr. 5 vix convexiusculi, ultimus antice non deflexus; apertura lunato-rotundata; perist. albo-labiatum, angulatim reflexum, marginibus subconvergentibus. — Diam. maj. 48, min. 45, alt. 9 mill. (Coll. Nr. 575.)

*Helix faustina* Zgl. Rossm. II. p. 4. f. 93.

— — Kryn. in Bull. Mosc. IX. p. 171.

— — Desh. in Fér. hist. p. 35. t. 69 J. f. 5—8.

— — Chemn. ed. II. Helix N. 404. t. 48. f. 15. 16.

— javnaensis et Selemine Mühlf. Mus.

— volhyniensis Andr. (teste Kryn.)

— sudetica Charp. olim.

— Charpentieri Scholtz schles. Moll. 1843.

*Corneola faustina* Held in Isis 1837. p. 942

β. Depressa, absque fasciis:

*Helix associata* Zgl. Rossm. VI. p. 40. f. 374.

γ. Aurantio-castanea:

*Helix sativa* Zgl.

Habitat in Gallicia et Bucowina, nec non in Silesia (Scholtz), Volhynia (Kryn.)

Obs. H. associata Cantr. (Malac. p. 119. t. 43. f. 4.) ad speciem nostram non referenda videtur.

935. **H. cornea Draparnaud.**

T. umbilicata, orbiculato-subdepressa, striatula, superne albedo-cornea, dilute unizonata, subtus pallide fusca; anfr. 5 vix convexiusculi, ultimus antice subito deflexus; apertura perobliqua, transverse ovato-rotundata; perist. labiatum, angulatim reflexum, marginibus approximatis, basali strictiusculo, introrsum subdilato. — Diam. maj. 17, min.  $14\frac{1}{2}$ , alt. 9 mill. (Coll. Nr. 576.)

*Helix cornea* Drap. p. 110. t. 8. f. 1—3.

— — (Helicella) Fér. pr. 161. Hist. t. 67. f. 5. t. 69 J. f. 9.

— — Lam. 92. p. 90. ed. Dh. p. 69.

— — C. Pfr. III. p. 18. t. 4. f. 15. 16.

— — Rossm. II. p. 6. f. 96.

— — Desh. in Fér. hist. p. 39.

— — Chemn. ed. II. Helix N. 405. t. 18. f. 13. 14.

— zonaria  $\delta$  Hartm. l. c. p. 228.

*Chilostoma corneum* Fützing. syst. Verz. p. 98.

*Campylaea cornea* Beck ind. p. 26.

*Corneola cornea* Held in Isis 1837. p. 912.

$\beta$ . Subunicolor castanea:

*Helix squamatina* Fér. Mus.

— cornea Fér. hist. t. 67. f. 4.

— — var. Rossm. IV. p. 2. f. 219.

— — var. Chemn. l. c. t. 18. f. 11. 12.

$\gamma$ . Concolor, virescenti-cornea, marginibus subconnexis:

*Helix Desmoulinsii* Farin. Ann. sc. nat. 1834. II. p. 121.

— — Fér. in Bull. zool. 1835. p. 41.

— Moulinsii Pot. et Mich. gal. I. p. 81.

— cornea var. Rossm. VIII. p. 33. f. 511.

Habitat in montosis Germaniae et Galliae meridionalis et Italiae borealis, var.  $\gamma$  in montibus « Albères » (Desmoul.).

Obs. An eadem: Helicigona cornea Risso IV. p. 66? (Conf. Nr. 1102.)

936. **H. Rossmässleri Pfr. †**

T. perforata, globoso-depressa, tenera, supra lutea, rufo-unifasciata, subtus fuscescens; anfr.  $4\frac{1}{2}$  convexiusculi; apertura rotundato-lunaris; perist. reflexum, tenue, marginibus distantibus. — Alt.  $3\frac{1}{2}$ , long.  $5\frac{1}{2}$  lin. (Rm.) Diam. maj. 12, min.  $10\frac{1}{2}$ , alt.  $6\frac{1}{2}$  mill. (ex ic.)

*Helix Rossmässleri* Pfr. Symb. II. p. 98.

— advena Rossm. XI. p. 2. f. 687. Nec Webb et Berth.

Habitat in montibus Carpathis, ubi legit Frivaldsky.

Obs. « Similis H. faustinae; differt magnitudine, umbilico angusto et peristomate acuto absque labio ». (Rm.) — An huc referenda?

937. *H. Narzanensis* Krynicki. †

T. orbiculato-depressiuscula, tenuis, pellucida, transversim obsolete, longitudinaliter obsoletius striata, albescenti-unicolor aut fasciis 2, supera fusca, infera alba per medium excurrentibus notata; anfr. 6 rotundato-convexi; suturae profundiusculae; spira prominula; umbilicus mediocris, profundus; apertura rotundato-lunata; perist. intus marginatum, reflexum, extremitatibus remotis. — Diam. 8, alt.  $4\frac{1}{2}$ ''' (Kryn.)

*Helix Narzanensis* Kryn. in Bull. Mosc. IX. p. 172.

Habitat in Caucaso, ad balnea Narzanensia.

Obs. « Simillima *H. faustinae*, differt ab illa superficie longitudinaliter striata, apertura magis regulari, lunata, peristomate in adultis intus incrassato, et umbilico minus aperto ».

938. *H. pratensis* Pfr.

T. umbilicata, orbiculato-convexa, ruguloso-striata, albida, fasciis 2 castaneis cincta; spira subelevata; anfr. 6 convexiusculi, ultimus antice vix descendens; umbilicus mediocris, pervius; apertura rotundato-lunaris; perist. expansum, intus remote albolabiatum, marginibus conniventibus, columellari subdilato, patente. — Diam. maj. 17, min. 14, alt.  $9\frac{1}{2}$  mill. (Coll. Nr. 577.)

*Helix pratensis* Pfr. in Proc. Zool. Soc. 1845. p. 132.

— — Chemn. ed. II. *Helix* N. 98. t. 17. f. 17—19.

β. Absque fasciis, anfractu ultimo fuscescenti-carneo.

Habitat ad fluvium Tortoom Rossiae asiat. in pratis humidis, Kasbeck (Krauss).

Obs. Nonne forsitan varietas praecedentis, cujus descriptio nuperrime tandem mihi innotuit?

939. *H. Eichwaldi* Pfr.

T. umbilicata, depressa, ruguloso-striata, nitida, albida, punctis corneis conspersa et corneo-bifasciata; spira planiuscula; anfr. 6 vix convexiusculi, ultimus antice deflexus; umbilicus latiusculus, pervius; apertura perobliqua, fere circularis; perist. expansum, intus remote et prominenter albolabiatum, marginibus acutis fere contiguis. — Diam. maj. 18, min. 15, alt. 8 mill. (Coll. Nr. 578.)

*Helix Eichwaldi* Pfr. Symb. III. p. 77.

— — Chemn. ed. II. *Helix* N. 99. t. 17. f. 20—22.

Habitat in Caucaso.

940. *H. cingulata* Ziegler.

T. late umbilicata, depressa, tenuiuscula, striata, nitidula, sordide alba, livido-radiata, linea 4 fusca supra peripheriam

cincta; spira subplana; anfr. 5 depressi, ultimus superne obsolete angulatus, antice breviter descendens; apertura perobliqua, transverse ovali-subcircularis; perist. subsimplex, tenue, expansiusculum, marginibus approximatis, columellari subdilatato-patente. — Diam. maj. 46, min.  $43\frac{2}{3}$ , alt. 7 mill. (Mus. Gruner.)

*Helix cingulella* Zgl. Mus. Rossm. VI. p. 40. f. 373.

— — Desh. in *Fér.* hist. p. 34. t. 69 J. f. 4—4.

— — Chemn. ed. II. *Helix* N. 498. t. 82. f. 6—8.

*Cingulifera cingulella* Held in *Isis* 1837. p. 911.

Habitat in alpibus Volhyniae, ubi detexit Zawadzky.

#### 941. *H. intermedia* Férussac.

T. aperte umbilicata, depressa, suborbiculata, striata, lutescenti-albida, unicolor vel rufo-trifasciata: fasciis lateralibus interruptis; anfr. 5 planiusculi, ultimus antice deflexus; apertura subhorizontalis, ovato-rotunda; perist. reflexum, marginibus fere contiguis, basali introrsum dilatato. — Diam. maj. 46, min. 44, alt. 7 mill. (Coll. Nr. 379.)

*Helix intermedia* (Helicella) *Fér.* pr. 463. Hist. t. 68. f. 4. 2.

— — *C. Pfr.* III. p. 48. t. 4. f. 17—19.

— — *Rossm.* III. p. 5. f. 455.

— — *Chemn.* ed. II. *Helix* N. 403. t. 48. f. 47. 48.

— *cornea* *Brumati* p. 29?

— *catenulata* *Mühlf.* Mus.

*Campylaea intermedia* *Beck* ind. p. 24.

*Cingulifera intermedia* *Held* in *Isis* 1837. p. 911.

$\beta$ . Majuscula, tetrazona, umbilico paulo angustiore: diam. maj. 23, min. 19, alt. 9 mill. (Spec.)

*Helix tetrazona* *Jan* Mantissa p. 2.

— — *Desh.* in *Fér.* hist. p. 38. t. 69 J. f. 20—23.

— *intermedia* var. *Rossm.* VIII. p. 32. f. 508.

Habitat in Carinthia, Carniolia, provincia Austriae littoralis, Croatia; var.  $\beta$  in alpibus Lombardiae.

#### 942. *H. strigata* Müller.

T. anguste umbilicata, orbiculato-depressiuscula, alba, interrupte quadrifasciata, superne costato-plicata; anfr.  $4\frac{1}{2}$  planiusculi, ultimus antice deflexus; apertura rotundato-ovalis; perist. reflexum, sublabiatum, marginibus approximatis. — Diam. maj. 49, min. 46, alt.  $8\frac{1}{2}$  mill. (Coll. Nr. 580.)

*Helix strigata* *Müll.* verm. II. p. 64. N. 256.

— — (Helicella) *Fér.* pr. 462. Hist. t. 67. f. 6—8. t. 75 B. f. 5. (c. anim.)

— — *Lam.* 89. p. 89. ed. Dh. p. 68.

*Helix strigata* Rossm. IV. p. 5. f. 227.

— — *Chemn.* ed. II. *Helix* N. 402. t. 18. f. 19. 20.

— *umbrica* Charpent.

*Campylaea strigata* Beck ind. p. 24.

*Cingulifera strigata* Held in *Isis* 1837. p. 911.

β. Paulo latius umbilicata, apertura magis rotundata:

*Helix glabrata* Zgl. Mus.

— *strigata* var. Rossm. IV. f. 228.

γ. Umbilico majore, superne acutius costulata, marginibus peristomatis approximatis: diam. maj. 20, min. 16½, alt. 9½ mill. (Spec.)

*Helix corrugata* Zgl. Mus.

— *strigata* β *Fér.* hist. t. 67. f. 8?

— — var. Rossm. IV. f. 229.

— — var. *Chemn.* ed. II. *Helix* t. 18. f. 21. 22.

*Cingulifera corrugata* Held in *Isis* 1837. p. 911.

δ. Fusco-labiata: Rossm. XI. p. 2. f. 684.

Habitat in Italia et Sicilia, var. δ prope Sorrentum, Capri, Paestum (Phil.).

#### 943. *H. Ziegleri* Schmidt.

T. late umbilicata, depressa, suborbiculata, obtuse subcarinata, albido-caesia, interrupte subtrifasciata, superne costulato-plicata; anfr. 5 planiusculi, ultimus antice subito deflexus; apertura subcircularis; perist. labiatum, marginibus fere connexis, supero expanso, basali strictiusculo, reflexo. — Diam. maj. 20, min. 18, alt. 7½ mill. (Coll. Nr. 584.)

*Helix Ziegleri* Schmidt. Rossm. III. p. 4. f. 154.

— — *Desh.* in *Fér.* hist. p. 35. t. 69 J. f. 10—13.

— — *Chemn.* ed. II. *Helix* N. 494. t. 81. f. 17—19.

— *strigata* var. *Cantr.* Malac. p. 111.

*Campylaea Ziegleri* Beck ind. p. 24.

*Cingulifera Ziegleri* Held in *Isis* 1837. p. 911.

Habitat in alpinis Carnioliae, ubi praecipue in *Paederota lutea* degentem detexit Cl. Schmidt Labacensis.

#### 944. *H. armeniaca* Pfr.

T. umbilicata, orbiculato-convexiuscula, valide plicato-striata, corneo et cinerascens-albido variegata; spira brevissime conoidea; anfr. 6 depressi, ultimus angulatus, breviter deflexus; umbilicus mediocris, pervius; apertura perobliqua, subcircularis; perist. remote et prominule albo-labiatum, marginibus approximatis, supero recto, basali breviter reflexo. — Diam. maj. 44, min. 40, alt. 5½ mill. (Coll. Nr. 582.)

*Helix armeniaca* Pfr. Symb. III. p. 77.

*Helix armeniaca* Chemn. ed. II. Helix N. 100. t. 17. f. 23 — 25.

— *Ziegleri* var. *Airumia* Siemaschko.

Habitat prope Bogasdach Armeniae; Airum in Caucaso (Dr. Siemaschko in Coll. Rossm.).

945. ***H. glacialis* Thomas.**

T. umbilicata, orbiculato-convexiuscula, apice obtusa, leviter carinata, lutescens, sordide variegata, superne plicato-striata, subtilissime spiraliter lineata, rufo-unifasciata; anfr. 5 convexiusculi, ultimus vix deflexus; umbilicus mediocris, pervius; apertura lunato-rotundata; perist. leviter albo-labiatum, margine supero vix expanso, basali breviter reflexo. — Diam. maj. 13, min. 11½, alt. 6½ mill. (Coll. Nr. 583.)

*Helix glacialis* Thom. Fér. pr. 159. Hist. t. 67. f. 2.

— — Rossm. VIII. p. 34. f. 507.

— — Desh. in Fér. hist. p. 40.

— — Chemn. ed. II. Helix N. 104. t. 17. f. 26 — 28. t. 18. f. 1. 2.

*Campylaea glacialis* Beck ind. p. 24.

Habitat in alpinis Pedemontanis.

946. ***H. asperella* Pfr.**

T. umbilicata, depressa, granulis minutis undique exasperata, sordide albida, fasciis rufis varie cingulata; spira vix elevata, anfr. 4 planiusculi, ultimus basi convexus, antice parum descendens, juxta umbilicum mediocrem, infundibuliformem subcompressus; apertura obliqua, lata, subcircularis; perist. undique expansum, marginibus approximatis, callo tenui junctis. — Diam. maj. 14, min. 11, alt. 6½ mill. (Coll. Nr. 584.)

*Helix asperella* Pfr. Symb. III. p. 78.

— — Chemn. ed. II. Helix N. 504. t. 32. f. 22 — 25.

— *granifera* Bens. in Mus. Cuming. — Nec Gray.

β. Duplo minor.

Habitat in India orientali, prope Bithonia in ripa Gangis (Bens.).

947. ***H. Tuckeri* Pfr.**

T. umbilicata, depressa, tenuis, pellucida, oblique striata, breviter et sparsim pilosa, fusco-cornea, rufo obsolete unicingulata; spira vix elata; anfr. 4 planiusculi, ultimus antice gibbus, constrictus, subito deflexus; umbilicus angustus, pervius; apertura perobliqua, subcircularis; perist. intus albidum, undique breviter reflexum, marginibus approximatis. — Diam. maj. 7, min. 6, alt. 3½ mill. (Coll. Nr. 585.)

*Helix Tuckeri* Pfr. Symb. III. p. 77.

*Helix Tuckeri* Chemn. ed. II. *Helix* N. 484. t. 79. f. 40—42.

Habitat in « Charles Hardy's island » oceani pacifici (Tucker).

Obs. Conf. *H. cyclostomata* Le Guill. (Nr. 985.)

948. *H. martigena* Férussac.

T. umbilicata, depressa, sublaevigata, flavescenti-albida; spira brevissime conoidea; anfr. 4 vix convexi, ultimus antice descendens; umbilicus angustus, pervius; apertura lunato-rotundata; perist. album, expansum, marginibus conniventibus, columnellari dilatato, reflexo. — Diam. maj.  $7\frac{1}{2}$ , min. 6 mill. (ex ic.)

*Helix martigena* (Helicella) Fér. pr. 469. Hist. t. 69. f. 4.

*Ochthephila martigena* Beck ind. p. 47.

Habitat in Andalusia: in campo proelii Atalatae (Fér.).

949. *H. pulchella* Müller.

T. umbilicata, subdepressa, albida, nitida, glabra; anfr.  $3\frac{1}{2}$  convexiusculi, ultimus antice dilatatus, non deflexus; apertura obliqua, subcircularis; perist. reflexum, candide sublabiatum, marginibus approximatis. — Diam. maj. 3, min.  $2\frac{1}{2}$ , alt.  $4\frac{1}{2}$  mill. (Coll. Nr. 586.)

*Helix pulchella* Müll. verm. II. p. 30. N. 232.

— — Lam. 107. p. 94. ed. Dh. p. 76.

— — C. Pfr. I. p. 43. t. 2. f. 32.

— — (Chilostoma) Charp. catal. p. 8.

— — Desh. in Fér. hist. p. 24. t. 69 E. f. 42—44.

— — Gray Men. p. 444. t. 5. f. 49.

— — Binn. in Bost. journ. III. p. 375. t. 9. f. 2.

— — Gould report p. 476. f. 102.

— — β Drap. p. 112. t. 7. f. 33. 34.

— — β Kryn. in Bull. Mosc. IX. p. 174.

— — β Rossm. VII. p. 5. f. 440.

— *pallidosa* Walk. test. minut. rar. f. 23.

— — Mont. test. brit. p. 440.

— *nitidula* Studer.

— *minuta* Say in Philad. journ. I. p. 423.

— *crystallina* Dilho. descr. cat. II. p. 909. N. 53.

*Vallonia rosalia* Risso IV. p. 402. t. 3. f. 30?

*Zurama pulchella* Leach moll. p. 408.

*Chilostoma pulchellum* Fitzing. syst. Verz. p. 98.

*Circinaria pulchella* Beck ind. p. 23.

*Corneola pulchella* Held in Isis 1837. p. 942.

Habitat in Germania, Helvetia, Gallia, Anglia, Suecia, Rossia, Caucaso; Madera (Lowe p. 45); in America boreali: Boston, Ohio, Missouri, etc. (Say, Binn., Gould).



950. **H. costata Müller.**

T. umbilicata, fulvescenti-albida, membranaceo-costulata, subopaca; anfr.  $3\frac{1}{2}$  convexiusculi, regulariter accrescentes, ultimus antice subdeflexus, non dilatatus; apertura perobliqua. subcircularis; perist. albo-labiatum, superne expansum, basi reflexum, marginibus fere contiguis. — Diam. maj. 3, min.  $2\frac{1}{2}$ , alt.  $1\frac{1}{2}$  mill. (Coll. Nr. 587.)

*Helix costata* Müll. verm. II. p. 34. N. 233.

— — *C. Pfr.* I. p. 43. t. 2. f. 34.

— *crenella* Mont. test. brit. p. 441. t. 43. f. 3.

— *pulchella* a Drap. p. 442. t. 7. f. 30—32.

— — a Kryn. Bull. Mosc. IX. p. 173.

— — a Rossm. VII. p. 6. f. 439.

— — var. Gray Man. p. 442.

— — var. Fér. hist. t. 69 E. f. 15—17.

— *crystallina* var. Dillw. cat. II. p. 909.

*Turbo helycinus* Lightf. Phil. tr. 77. p. 167. t. 3. f. 4. 4.

*Circinaria pulchella* β Beck ind. p. 23.

Habitat in Europae mediae terris plerisque, nec non in Rossia, Caucaso.

Obs. 1. E characteribus allatis, inprimis ex formatione anfractus ultimi, quam in permultis speciminibus constantem observavi, praeter sculpturam hanc speciem cum praecedente conjungendam esse non arbitror.

Obs. 2. Characteribus generalibus huic sectioni affinis *H. chinensis* Nr. 1053.

## §. 67.

951. **H. spiriplana Olivier.**

T. umbilicata, suborbiculato-depressa, oblique sulcato-plicata, olivaceo-lutescens, albido-subflammulata, maculoso-subfasciata; anfr. 5, supremi planulati, carinati, ultimus rotundatus, antice subito deflexus; apertura perobliqua, transverse ovalis; perist. albo-labiatum, marginibus subcontiguis, callo elevato junctis, supero expanso, basali reflexo, columellari dilatato, umbilicum semitegente. — Diam. maj. 36, min. 30, alt. 19 mill. (Coll. Nr. 588.)

*Helix spiriplana* Oliv. voy. I. p. 415. t. 17. f. 7.

— — Roth diss. p. 12. t. 1. f. 10—14.

— — Rossm. XI. p. 1. f. 682.

— — Chemn. ed. II. Helix N. 112. t. 19. f. 12. 13.

Habitat in insulis Creta et Rhodo (Oliv.), in montibus Idumacis, prope Hierosolimam frequens (Roth).

Obs. *H. spiriplana* Fér., Aud., Desh., Rossm. VI. f. 369 non est species Olivieriana, sed potius *H. Codringtoni* (Conf. Nr. 740.)

**952. *H. denudata* Rossmüller.**

T. aperte umbilicata, turbinato-depressa, nuda, lutescens, fusco-trifasciata; anfr. 6 convexiusculi, ultimus antice subito deflexus; apertura perobliqua, rotundata; perist. continuum, solum, reflexum, margine basali subunidentato. — Diam. maj. 29, min. 25, alt. 46 mill. (Coll. Nr. 589.)

*Helix denudata* Rossm. IV. p. 3. f. 223.

— *setosa* var. Cantr. Malac. p. 115.

*Corneola denudata* Held in Isis 1837. p. 912.

Habitat prope Macarsca Dalmatiae.

Obs. Differt ab *H. setosa* Zgl. spira elatiore, epidermide nuda, nitida, anfractibus arcuatis spiratis.

**953. *H. setosa* Ziegler.**

T. aperte umbilicata, orbiculato-depressa, villosa, tenera, striata, lutescenti-cornea, pallide subtrifasciata; anfr. 5 convexiusculi, ultimus antice deflexus; apertura perobliqua, rotundata; perist. continuum, solum, latum, reflexum, sublabiatum, margine basali subdentato. — Diam. maj. 30, min. 26, alt. 45 mill. (Coll. Nr. 590.)

*Helix setosa* Zgl. Rossm. IV. p. 3. f. 222.

— — Desh. in Fér. hist. p. 28. t. 69 A. f. 5.

— — Chemn. ed. II. Helix N. 485. t. 80. f. 9. 40.

— *setosula* Briganti Atti Neap. I. 4. (teste Beck.)

*Campylaea setosula* Beck ind. p. 26.

*Corneola setosa* Held in Isis 1837. p. 912.

♂ Minor: diam. maj. 23, min. 19, alt. 41 mill. (Spec.)

*Helix setosa* var. Rossm. X. p. 13. f. 605. 606.

γ Minor, pallidior, convexior, peristomate vix continuo:

*Helix setigera* Zgl. Mus.

— *setosa* var. Rossm. IV. p. 3. f. 224.

*Campylaea setigera* Beck ind. p. 26.

Habitat in Istria, Croatia, Dalmatia, Albania; var. β prope Fiume ipse legi!

**954. *H. Portosanctana* Sowerby.**

T. umbilicata, depressa, oblique rugoso-striata, obsolete granulata, superne rufa, pallide fasciata, basi lutescens vel albida; spira subprominula; anfr. 5 convexiusculi, ultimus antice deflexus; umbilicus mediocris, pervius; apertura perobliqua, subcircularis; perist. carneum, marginibus fere contiguis, callo crassiusculo junctis, supero expanso, basali incrassato, reflexo. — Diam. maj. 30, min. 24, alt. 44 mill. (Coll. Nr. 594. Spec. max.)

*Helix Portosanctana* Sow. in Zool. Journ. I. p. 57. t. 3. f. 5.

— — Wood suppl. t. 8. f. 79.

*Helix Portosanctana* (Helicella) Fér. hist. t. 67. f. 9. 10.

— — Lowe Faun. Mader. p. 46. t. 5. f. 15.

— — Lam. ed. Dh. 137. p. 92.

— — Chemn. ed. II. Helix N. 696. t. 111. f. 17—19.

— *setosa* var. Cantr. Malac. p. 115.

*Campylaea Portosanctana* Beck ind. p. 24.

*Corneola Portosanctana* Held in Isis 1837. p. 912.

β. Gigantea, subfossilis:

*Helix Portosanctana* var. Lowe l. c. t. 5. f. 16.

— *Lowii* Fér. in Bull. zool. 1835. p. 89.

Habitat in insula Portosancto.

#### 955. *H. cyclolabris* Deshayes.

T. umbilicata, depressa, striatula, obsolete granulata et sparse pilosa, albo-lutescens, fusco-unifasciata; anfr.  $4\frac{1}{2}$  planulati, ultimus antice subito deflexus; apertura subcircularis; perist. sublabiatum, continuum, non solutum, margine supero late expanso, basali reflexo. — Diam. maj. 19, min. 15, alt. 9 mill. (Coll. Nr. 592.)

*Helix cyclolabris* Desh. in Fér. hist. p. 32. \*)

— — Chemn. ed. II. Helix N. 476. t. 79. f. 15. 16.

— *zonata* β Fér. hist. t. 68. f. 7.

— *Heldreichii* Shutt. in sched. Cuming.

— — Pfr. Symb. III. p. 78.

Habitat in Morea et insula Naxos (Desh.), Attica (Shuttleworth).

#### 956. *H. ruginosa* Férussac.

T. umbilicata, depressa, plicis validis, obliquis ruginosa, albidula, lineis nonnullis rufis cincta; spira vix elevata; anfr. 4 plani, ultimus superne planus, ad peripheriam subangulatus, basi inflatus, antice breviter deflexus; umbilicus mediocris, pervius; apertura subhorizontalis, lunato-ovalis; perist. tenue, album, marginibus junctis, supero breviter expanso, columellari strictiusculo, reflexo. — Diam. maj. 13, min. 11, alt.  $6\frac{1}{2}$  mill. (Mus. Brit.)

*Helix ruginosa* (Helicella) Fér. pr. 180. Hist. t. 71. f. 4.

— — Desh. in Fér. hist. p. 38.

— — Chemn. ed. II. Helix N. 456. t. 76. f. 7—10.

Habitat in Bengalia (Leschenault, Fér.).

#### 957. *H. fallaciola* Férussac.

T. umbilicata, depressa, alba, unicolor vel zonis fuscis variis ornata; spira brevissima; anfr.  $4\frac{1}{2}$  planiusculi, ultimus subito

\*) T. umbilicata, orbiculato-depressa, albo-lutescente, superne fusco-unizonata; anfractibus convexiusculis, ultimo cylindraceo; apertura ovato-rotunda, perobliqua, marginibus continuis; epidermide raripilosa. — Diam. 25, alt. 12 mill. (Desh. l. c.)

descendens; umbilicus infundibuliformis; apertura subhorizontalis, elliptica; perist. simplex, marginibus plerumque junctis, supero breviter expanso, basali angulatim reflexo. — Diam. maj. 45, min. 42, alt. 7 mill. (Coll. Nr. 593.)

*Helix fallaciosa* (Helicella) Fér. pr. 179. Hist. t. 71. f. 4.

— — Pfr. Symb. II. p. 27.

— — Chemn. ed. II. Helix N. 503. t. 82. f. 48—24.

*Theba fallaciosa* Beck ind. p. 42.

β. Minor, unicolor, alba: Fér. t. 71. f. 3.

γ. Minima, cingulis pluribus fuscis ornata: diam. maj. 44, min. 39, alt. 5 mill. (Spec.)

*Helix fallaciosa* Fér. t. 71. f. 2.

Habitat in India orientali: prope Coimbatore (Leschenault); in insula Ceylon (Templeton in Mus. Cuming.).

#### 958. *H. nilagirica* Pfr.

T. late umbilicata, depressa, discoidea, striata, corneo-albida, linea unica rufa supra peripheriam cincta; spira planiuscula; anfr. 5 convexiusculi, lente accrescentes, ultimus antice abrupte deflexus; umbilicus latissimus, anfractum penultimum late monstrans, medio angustus, pervius; apertura parva, horizontalis, rotundato-ovalis; perist. continuum, album, sublabiatum, reflexum. — Diam. maj. 44½, min. 42, alt. 5½ mill. (Mus. Cuming.)

*Helix nilagirica* Pfr. in Proc. Zool. Soc. 1845. p. 430.

— — Phil. Icon. II. 44. p. 87. Helix t. 7. f. 44.

— — Chemn. ed. II. Helix N. 502. t. 82. f. 45—17.

Habitat in montibus «Neelgherries» Indiae orientalis.

#### 959. *H. delibrata* Benson. †

T. depresso-plana, subtus tumida, epidermide cornea decidua; anfr. 4 transverse striati; apertura transverse rotundato-ovata; peristrema vix continuum, reflexum; umbilicus latus, anfractus plerosque exhibens. — Diam. 0,9 poll. (B.)

*Helix delibratus* Bens. in Journ. As. Soc. V. p. 352.

Habitat in Bengalìa.

Obs. «Affinis *H. corneae* Drap.»

#### 960. *H. livescens* Jan. †

T. umbilicata, depressa, solida, livida; apertura circinnata; perist. continuum, reflexum. — Alt. 3, lat. 6 lin. Aperturae diam. 3 lin. (Jan.)

*Helix livescens* Crist. et Jan cat. Mantissa p. 2.

Habitat in Italia meridionali.

961. *H. coerulans* Mühlfeldt.

T. umbilicata, depressa, subtus turgida, coerulefcenti-livida, striata; spira apice mammillata; anfr. 5 convexi, ultimus antice deflexus; umbilicus mediocris, semiobtectus; apertura perobliqua, circularis, intus fuscens; perist. simplex, marginibus continuis. basali labiato, subreflexo. — Diam. maj. 47, min. 45, alt. 44½ mill. (Coll. Nr. 594.)

*Helix coerulans* Mühlf. Mus.

— — *C. Pfr.* III. p. 30. t. 6. f. 17. 18.

— — *Cantr.* Malac. p. 112. t. 5. f. 5.

— — *Chemn.* ed. II. *Helix* N. 495. t. 81. f. 20—23.

— *lacticina* *Zgl. Rossm.* VI. p. 40. f. 375.

— — (*Helicella*) *Fér.* hist. t. 69 A. f. 2.

*Campylaea coerulans* Beck ind. p. 26.

β. Unifasciata: *Rossm.* X. f. 607. 8.

Habitat in Croatia; prope Obrovaz (*Cantr.*).

## §. 68.

962. *H. lapicida* Linn.

T. aperte umbilicata, lenticulari-depressa, acute carinata, subtilissime granulata, lutescenti-cornea, fusco-maculata; anfr. 5 medio convexiusculi, ultimus antice subito deflexus; apertura horizontalis, transverse ovalis; perist. continuum, solutum, margine columellari reflexo, sublabiato. — Diam. maj. 47, min. 45 alt. 6½ mill. (Coll. Nr. 595.)

*Helix lapicida* Linn. It. Oel. et Gothl. p. 8.

— — *L.* syst. ed. X. p. 768. ed. XII. N. 656. p. 1211.

— — *Chemn.* IX. P. 2. p. 88. t. 126. f. 1107.

— — *Drap.* p. 111. t. 7. f. 35—37.

— — (*Helicella*) *Fér.* pr. 150. Hist. t. 66. f. 6.

— — *C. Pfr.* I. p. 40. t. 2. f. 26.

— — *Rossm.* I. p. 63. f. 11.

— — (*Carocolla*) *Charp.* catal. p. 9.

— — *Gray* Manual p. 140. t. 5. f. 51.

— — *Morelet* moll. du Port. p. 57.

— — *Chemn.* ed. II. *Helix* N. 120. t. 20. f. 10. 11.

— *affinis* *Gmel.* p. 3621. N. 161.

— *acuta* *Da Costa* p. 55. t. 4. f. 9.

— *rhenana* *Hartm.*

*Carocolla lapicida* Lam. 46. p. 99. ed. Dh. p. 148.

— — *Küst.* Icon. moll. et test. P. I. Fasc. II. t. 1. f. 3.

*Chilotrema lapicida* Leach moll. p. 106.

— — *Beck* ind. p. 28.

*Helicigona lapicida* Risso IV. p. 66. N. 142.

*Latomus lapicida* Pilsing. syst. Vers. p. 97.

*Lenticula lapicida* Held in Isis 1837. p. 913.

♂ Major, anfr. 5½, ad carinam compressissimis: diam. maj. 24, min. 18½, alt. 8 mill. (Spec.)

*Helix lapicida* var. *Chemn.* ed. II. t. 38. f. 30. 34.

γ Morbosa, albina, unicolor pallide straminea, pellucida.

*Helix lapicida* var. *C. Pfr.* I. t. 2. f. 27.

— — var. *Charp.* I. c. t. 4. f. 7.

δ Monstrosa, anfractibus in conum elevatis:

*Helix terebra* Turt. Conch. dict. 464. t. 44. f. 55?

— *cochlea Brown* in Wern. transact. II. t. 24. f. 40. (ex sententia Cl. Fleming.)

— *lapicida c. scalaris* *Charp.* I. c. t. 4. f. 8.

δ Juvenis:

*Helix explanata* Schranck.

Habitat in Germania, Gallia, Helvetia, Britannia, Suecia, etc.; var.

β in Pyrenaeis (Dupuy).

### §. 69.

#### 963. *H. Gibboni* Pfr.

T. umbilicata, depressa, sublenticularis, superne longitudinaliter et regulariter striata, fasciis flammeis rubris albisque picta, subtus seriebus pluribus punctorum rufescentium ornata; anfr. 5 planiusculi, ultimus subcarinatus, basi convexus; umbilicus mediocris, pervius; apertura late lunaris, intus margaritacea; perist. subincrassatum, sinuosum, reflexum, marginibus callo tenui junctis, basali ad umbilicum breviter dilatato. — Diam. maj. 63, min. 54, alt. 27 mill. (Mus. Cuming.)

*Helix Gibboni* Pfr. Symb. III. p. 37.

— — *Chemn.* ed. II. *Helix* N. 673. t. 407. f. 40. 44.

— *magnifica* *Lea* obs. II. p. 89. t. 23. f. 88. Nec Fér.

Habitat in Nova Granada, ubi detexit Gibbon.

#### 964. *H. pellis serpentis* Chemnitz.

T. umbilicata, orbiculato-convexa, superne confertissime granulosa, basi striata, griseo-flavicans, fasciis latis albo- et rufo-flammulatis, subtus cingulis angustis, interruptis, rufis ornata; anfr. 6 convexiusculi, ultimus obsolete angulatus, latere aperturae opposito impressionibus 2 profundis notatus; apertura late lunaris; perist. intus album, callosum, marginibus callo junctis, supero expanso, columellari et basali reflexis. — Diam. maj. 50, min. 43, alt. 23 mill. (Coll. Nr. 596.)

*Helix pellis serpentis* *Chemn.* IX. P. 2. p. 79. t. 425. f. 4095. 96 et XI. p. 268. t. 208. f. 2046. 47.



*Helix* . . . *Fér.* hist. t. 69 K. f. 18—20.

β. Minor: diam. maj. 28, min. 24½, alt. 11½ mill. (Spec.)

Habitat in republica Boliviana.

Obs. Differt ab *H. brasiliensis* anfractu ultimo depresso, subcarinato, colore et aperturae forma. — *Conf. H. serpens* Spix. (Nr. 1049.)

967. *H. concisa* Férussac.

T. umbilicata, depressa, solida, unicolor rufa, regulariter striata, sulcis obliquis, irregularibus incisa; spira planiuscula; sutura impressa; anfr. 6 vix convexiusculi, ultimus rotundatus, antice vix deflexus; umbilicus infundibuliformis; apertura obliqua, lunato-ovalis, intus nitida; perist. subincrassatum, album, expansum, marginibus callo albo, arcuato junctis. — Diam. maj. 58, min. 46, alt. 25 mill. (Coll. v. d. Busch.)

*Helix concisa* (Helicella) *Fér.* hist. t. 78. f. 3. 4.

— — *Fér.* in Voy. de Freyc. Zool. p. 470.

— — *Wood* suppl. t. 7. f. 53.

— — *Pfr.* Symb. III. p. 78.

Habitat in insula Rawak (Freycinet), in ins. Aroo (Mus. Cuming.).

968. *H. zodiaca* Férussac.

T. umbilicata, depressa, solidiuscula, minute granulata, rufa, subtus pallidior, medio albo-zonata; spira planiuscula; anfr. 4 vix convexiusculi, ultimus antice vix descendens; umbilicus medio-cris; apertura subverticalis, transverse ovalis, intus nitida; perist. late expansum, incrassatum, ad columellam dilatatum. — Diam. maj. 47, min. 35, alt. 24 mill. (Mus. Cuming.)

*Helix zodiaca* (Helicella) *Fér.* pr. 184. Hist. t. 75. f. 2.

— — *Pfr.* Symb. III. p. 78.

— *zodiacus* *Wood* suppl. t. 7. f. 52.

*Ampelita zodiaca* *Beck* ind. p. 30.

Habitat . . . ?

969. *H. Quoyi* Deshayes. †

T. subdiscoidea, supra paululum convexa, subtus late umbilicata, anfr. 5 convexiusculi, superne undulato-costati, longitudinaliter striati, fusco-castanei, ultimus ad peripheriam zona luteola circumdatus; apertura semilunaris; labrum caeruleum, reflexum. (Dh.) — Diam. maj. 56, min. 48, alt. 28—30 mill. (ex ic.)

*Helix undulata* *Quoy* et *Gaim.* Astrol. II. p. 91. t. 7. f. 1. 2. Nec *Fér.*

— *Quoyi Desh.* in *Lam.* ed. Dh. 162. p. 105.

— . . . *Fér.* hist. t. 73 B. f. 4.

Habitat in insula Celebes, prope lacum Tondano.



970. *H. Cunninghami* Gray.

T. latissime umbilicata, valde depressa, solida, ruguloso-striata, albo brunneoque fasciata; spira planiuscula; anfr. 6 vix convexiusculi, ultimus superne convexus, antice subito deflexus; umbilicus latissimus, perspectivus; apertura subhorizontalis, transverse lunato-ovalis, intus rubicunda; perist. incrassatum, reflexum, marginibus approximatis, callo junctis, dextro arcuato, basali stricto, ad insertionem valde calloso. — Diam. maj. 6½, min. 49, alt. 24 mill. (Mus. Cuming.)

*Helix Cunninghami* Gray in Proc. Zool. Soc. 1834. p. 64.

— — Müll. synops. p. 6.

— — Griff. anim. kingd. t. 36. f. 4.

— *Tupinieri Eydoux* in Guér. mag. 1838. t. 144.

*Macrocyclus Cunninghami* Beck ind. p. 24.

Habitat in Nova Hollandia.

971. *H. Forbesi* Pfr.

T. umbilicata, subdiscoidea, tenuis, oblique confertim striata, unicolor rufa; spira planiuscula; anfr. 5 convexi, ultimus basi convexior, antice vix descendens, obtuse angulatus, superne obsolete impressus; umbilicus magnus, spiralis; apertura perobliqua, rotundato-lunaris; perist. simplex, acutum, albido-carneum, intus subincrassatum, margine supero late expanso, basali reflexo, columellari subdilato. — Diam. maj. 44, min. 35, alt. 44 mill. (Coll. Walton.)

*Helix Forbesi* Pfr. in Proc. Zool. Soc. 1845. p. 74.

Habitat . . . ?

972. *H. omphalodes* Pfr.

T. late umbilicata, depressa, solida, leviter striatula, sub epidermide flavesciente decidua alba, ad peripheriam et suturam rufo-cingulata; spira vix convexa; anfr. 5 planiusculi, ultimus subcarinatus, antice vix descendens, basi paulo convexior, lineis confertis, spiralibus subgranulatus, circa umbilicum magnum, spiralem, intus castaneum subcompressus; apertura perobliqua, lunato-ovalis; perist. breviter reflexum, fuscum, marginibus coniventibus. — Diam. maj. 44, min. 34, alt. 46 mill. (Coll. Nr. 599.)

*Helix omphalodes* Pfr. in Proc. Zool. Soc. 1845. p. 64.

— — Phil. Icon. II. 45. p. 183. Helix t. 9. f. 4.

— — Chemn. ed. II. Helix N. 450. t. 75. f. 9—11.

Habitat . . . ?

973. *H. sepulcralis* Férussac.

T. late umbilicata, depressa, tenuis, laevigata, varie oblique plicata, castanea, subtus albo-zonata vel pallide fulvescens; spira

brevissima, vix emersa; anfr. 4 rapide accrescentes, sulco concentrico impressi, ultimus basi convexiusculus, circa umbilicum infundibuliformem angulatus, antice deflexus; apertura perobliqua, elliptico-ovalis, intus coerulescens; perist. late reflexum, marginibus callo tenui junctis, dextro medio angulatim dilatato. — Diam. maj. 44, min. 33, alt. 47 mill. (Coll. Nr. 600.)

*Helix sepulchralis* (Helicella) Fér. pr. 183. Hist. t. 75. f. 1. t. 75 C. f. 4—12.

— — Chemn. ed. II. Helix N. 76. t. 14. f. 5. 6. t. 15. f. 4—4.

— *labrella* Lam. 28. p. 73. ed. Dh. p. 40.

— *trivittata* Born. (teste Villa disp. p. 15.)

*Ampelita labrella* Beck ind. p. 30.

β. Minor, solidior, spira paulo elatiore, sub epidermide corneo-lutescente alba, fasciis 3 latis nigricanti-rufis ornata: diam. maj. 34, min. 26, alt. 45 mill. (Spec.)

γ. Unicolor lutescenti-cornea, minor.

δ. Minima, conico-globosa: Fér. t. 75 C. f. 8—10?

Habitat in insula Madagascar.

974. *H. madagascariensis* Lamarck. †

T. orbiculato-convexa, umbilicata, tenuiter striata, cornea, fusco-bifasciata; spira brevis, obtusa; labrum intus album, margine reflexo. — Diam. 43 lin. (Lam.) — Diam. maj. 29, min. 24, alt. 47 mill. (ex ic. Fér.)

*Helix madagascariensis* Lam. 39. p. 76. ed. Dh. p. 44.

— *madecassina* Fér. pr. 180 bis. Hist. t. 73 A. f. 2.

— — Bowd. elem. of Conch. t. 3. f. 3.

*Favanne* t. 64 C. 5. f. J.

*Seba* III. t. 40. f. 29 et 31?

Habitat in insula Madagascar, prope Fort-Dauphin (Brug., Lam.).

975. *H. Audouinii* Orbigny.

T. umbilicata, orbiculato-convexa, depressa, solidula, rugoso-subreticulata, fulvo-violacea, lineolis albidis variegata, fasciis 3 purpureis ornata; spira brevis, obtusa; anfr. 6, ultimus depressus, antice subdeflexus; apertura perobliqua, lunato-ovalis; perist. incrassatum, album, late expansum, marginibus callo junctis, basali reflexo, columellari brevissimo, valde dilatato, umbilicum mediocrem semitegente. — Diam. maj. 59, min. 47, alt. 25 mill. (Mus. Cuming.)

*Helix Audouinii* (Helicella) Orb. synops. p. 4.

— — Orb. voy. p. 239. t. 24. f. 4—6.

— — Chemn. ed. II. Helix N. 333. t. 59. f. 1—3.

— . . . . Fér. hist. t. 73 B. f. 3.

*Campylaea Audouinii* Beck ind. p. 27.

β. Minor, spira paulo magis elevata: diam. maj. 37, min. 34, alt. 49 mill. (Mus. Cuming.)

*Helix oresigena* (Helicella) Orb. syn. p. 4.

— — Orb. voy. p. 240. t. 25. f. 4—4.

*Campylaea oresigena* Beck ind. p. 27.

Habitat in provincia Yungasensi Boliviae.

Obs. Variat magnitudine, spira et umbilici latitudine.

#### 976. *H. Duvalii* Petit.

T. umbilicata, orbiculata, conico-depressa, castanea, transversim longitudinaliterque striata; anfr.  $4\frac{1}{2}$  depresso-convexusculi, sutura impressa separati et fascia brunnea marginati, ultimus medio zona lutescente circumdatus, subtus lutescens, ad umbilicum mediocrem, pervium compressus; apertura ampla, ovalis, intus margaritacea; perist. simplex, tenue, marginibus conniventibus, dextro vix expanso, basali breviter reflexo. — Diam. maj. 37, min. 30, alt. 49 mill. (Mus. Cuming.)

*Helix Duvalii* Petit in Revue zool. 1844. p. 3.

— — Guérin mag. 1844. t. 93.

— — Chemn. ed. II. Helix N. 334. t. 59. f. 7. 8.

β? Superne castanea, luteo-unicingulata, basi lutea, anfr. 5, umbilico intus castaneo: diam. maj. 39, min. 32, alt. 20 mill. (Mus. Gruner.)

*Helix Duvalii* var.? Chemn. l. c. t. 59. f. 9—11.

— *madecassina* Fér. t. 73 A. f. 2?

— *chlorozona* Grat.? (Conf. Nr. 870.)

Habitat in insula Madagascar.

#### 977. *H. haematostoma* Jan. †

T. depressa, albida, vertice acutissimo; anfractus ventricosi; apertura circularis, ampla; perist. continuum, reflexum, carneum. — Alt. 8 lin., lat. 4 poll. 6 lin., apert. diam. 10 lin. (Jan.)

*Helix haematostoma* Jan Mantissa p. 2.

Habitat in India orientali, Bengaliam.

Obs. Nonne potius Cyclostomatis species, involvulo affinis?

#### 978. *H. planorbella* Lamarck. †

T. orbiculato-depressa, umbilicata, minutissime plicata, luteo-virens, fusco-subfasciata: plicis longitudinalibus obliquis, acutis: labrum margine album, reflexum. — Diam. 8 lin. (Lam.)

*Helix planorbella* Lam. 82. p. 88. ed. Dh. p. 66.

*Campylaea planorbella* Beck ind. p. 24.

Enc. méth. t. 462. f. 5. }  
*Hel. strigata* β *Fér.* t. 67. f. 8. } ex Lam.

Habitat in insula Portorico (Maugé, Lam.), Teneriffa (Beck).

Obs. Species dubia, quam nondum vidi. Icones citatae valde inter se discrepantes ad unam eandemque speciem referri non possunt.

979. *H. purpurostoma* Le Guillou. †

T. orbicularis, umbilicata, supra plana, alba, pellucida; anfr.  $4\frac{1}{2}$  convexiusculi, sutura profunda sat distincti, ultimus fascia nigro-purpurascente latiuscula spiram decurrente ornatus, subtus convexiusculus, albus; umbilicus profundus, mediocris, extus effusus et angulo marginatus; apertura obliquissima, rotundata; perist. breve reflexum, intus et extus roseum, strangulatum. — Diam. 20, alt. 9 mill. (G.)

*Helix purpurostoma* Le Guill. in Revue zool. 1842. p. 141.

Habitat ad Triton-Bay Novae Guineae.

980. *H. proxima* Férussac.

T. umbilicata, orbiculato-convexiuscula, leviter striata, nitida, alba, basi fuscescens, fusco-lineata; spira subplana; anfr.  $5\frac{1}{2}$ , ultimus cylindraceus, antice deflexus; apertura perobliqua, lunato-ovalis, intus fuscescens; perist. simplex, tenue, marginibus callo junctis, supero arcuato, expanso, basali strictiusculo, reflexo. — Diam. maj. 24, min. 19, alt. 14 mill. (Coll. Metcalf.)

*Helix proxima* (Helicella) *Fér.* pr. 178. Hist. t. 71. f. 5.

— — *Desh.* in *Fér.* hist. p. 29. \*)

— — *Chemn.* ed. II. *Helix* N. 454. t. 76. f. 4—6.

*Planispira proxima* Beck ind. p. 30.

Habitat in Indiae orientalis provincia Colmbetor (presqu' ile au delà du Gange: Leschenault, *Desh.*).

981. *H. Reeveana* Pfr.

T. umbilicata, subdiscoidea, tenuiuscula, oblique striata, albida, zonis 3—5 rufis ornata; spira vix convexiuscula, obtusa; anfr.  $4\frac{1}{2}$ —5 planiusculi, ultimus antice subito deflexus, basi concentrice et confertim striatus; umbilicus mediocris, pervius; apertura subhorizontalis, transverse ovalis; perist. subsimplex, reflexum, marginibus junctis. — Diam. maj. 30, min. 24, alt. 12 mill. (Coll. Nr. 604.)

*Helix Reeveana* Pfr. in Proc. Zool. Soc. 1846. p. 42.

\*) T. orbiculato-depressa, albo-fuscescente, obscure striata, late umbilicata; ultimo anfractu cylindraceo; apertura ovato-rotunda; margine albo, reflexo; peristomate continuo. — Diam. 22, alt. 13 mill. (*Desh.* l. c.)

*Helix Reeveana* Chemn. ed. II. Helix N. 434. t. 75. f. 6 — 8.

— *Lasallii* Collect. Nec Eydoux.

Habitat in insula Zebu Philippinarum (Cuming).

**982. H. Taranaki Gray.**

T. umbilicata, depressa, solidiuscula, pallide cornea, nitidula, superne confertim costulato-striata, basi laevior; spira parum elevata; anfr. 3 convexiusculi, ultimus latior, antice vix descendens; umbilicus mediocris, pervius; apertura transverse lunato-ovalis; perist. tenue, expansum, intus nitide album, margine basali strictiusculo, reflexo, columellari dilatato, patente. — Diam. maj. 17, min. 14, alt. 8 mill. (Coll. Nr. 602.)

*Helix Taranaki* Gray New Zeal. t. 4. f. 6. 7.

— — *Pfr.* Symb. III. p. 79.

— — *Chemn.* ed. II. Helix N. 452. t. 75. f. 4. 5.

Habitat in Nova Seelandia; ins. Possessionis in Torres-Strait (Ince).

**983. H. Villiersii Orbigny.**

T. umbilicata, orbiculato-depressa, tenuis, rugosa, profunde et irregulariter plicata (plicis obliquis, acutis, interruptis), fusco-cornea, lineis angustis fuscis vittata; spira vix elevata; anfr. 5 planiusculi, subcarinati; apertura perobliqua, lunato-ovalis; perist. tenue, acutum, margine supero expanso, columellari dilatato, ad umbilicum mediocrem reflexo. — Diam. maj. 23, min. 19, alt. 14 mill. (Mus. Cuming.)

*Helix Villiersii* Orb. canar. p. 57. t. 3. f. 12 — 14.

Habitat in insulis Canariis: Gomera (Orb.).

**984. H. desidens Rang.**

T. umbilicata, depressa, striata, tenuis, fusca, superne planiuscula, ad peripheriam obtuse angulata, basi convexior; anfr. 4½ planiusculi; umbilicus mediocris; apertura vix obliqua, rotundato-lunaris; perist. simplex, margine supero parum expanso, basali vix reflexo, ad umbilicum non dilatato. — Diam. maj. 16, min. 14, alt. 7½ mill. (Coll. Nr. 603.)

*Helix desidens* Rang in Guér. mag. 1834. t. 48.

— — *Lam.* ed. Dh. 248. p. 132.

— — *Chemn.* ed. II. Helix N. 465. t. 77. f. 10 — 13.

Habitat in insulae Martinique monte «Pelée» (Rang).

**985. H. cyclostomata Le Guillou. †**

T. orbicularis, planata, umbilicata, pellucida, dilute olivacea, papillis linearibus obsita; anfr. 4 convexiusculi, lineola fusca fasciati, sutura discreti; spira convexa, vix exserta; apertura cir-

cularis, extus tenue strangulata; perist. reflexum, tenuissimum; umbilicus infundibuliformis, profundus. — Diam. 7—8, alt. 4— $4\frac{1}{2}$  mill. (G.)

*Helix cyclostomata* Le Guill. in Revue zool. 1842. p. 141.

Habitat in insula Warrior («detroit de Torrès»: Guill.).

Obs. An forte eadem, quam Nr. 947 nomine *H. Tuckeri* descripsi?

## §. 70.

986. *Hel. bifurcata* Deshayes.

T. umbilicata, depressa, orbicularis, leviter striata, fulva, subtus pallida, vel medio tantum pallide cingulata; anfr. 5 planulati, ultimus obsolete carinatus, antice subito deflexus; apertura depressa, transverse pyriformis, lamina elongata, compressa, erecta, intrante coarctata; perist. albidum, reflexum, marginibus callo prominente junctis, basali dentibus 2, altero depresso triangulari, altero bifurcato, instructo. — Diam. maj. 37, min. 33, alt. 15 mill. (Mus. Cuming. spec. max. et Coll. Nr. 604.)

*Helix bifurcata* Desh. in Guér. mag. t. 141. f. 2.

— — Chemn. ed. II. *Helix* N. 664. t. 105. f. 4—4.

— *plicata* Fér. hist. t. 54 B. f. 1.

— — Desh. in Enc. méth. II. p. 231. N. 63. (excl. synonym.)

Habitat in Guyana.

Obs. 1. Variat magnitudine. Alia specimina multo minora vidi. Carina magis minusve acuta antice evanescit. Rarissime umbilicus fere obtectus est.

Obs. 2. Conf. *H. labyrinthus* Nr. 1035, *H. auriculina* Nr. 1039, etc. — Varietas *H. Bainbridgei* (Nr. 818.) umbilico aperto etiam hoc loco quaeri potest.

987. *Hel. planulata* Lamarck.

T. umbilicata, orbiculato-convexa, solida, laeviuscula, alba, fusco-marmorata et interrupte fasciata; spira brevis, obtusa; anfr. 5 planiusculi, ultimus teres, interdum subangulatus, antice subito deflexus; umbilicus mediocris, pervius; apertura horizontalis, integra, elliptica; perist. incrassatum, marginibus junctis, supero expenso, basali reflexo, unidentato. — Diam. maj. 34, min. 24, alt. 14—15 mill. (Coll. Nr. 605.)

*Helix planulata* Lam. 27. p. 73. ed. Dh. p. 40.

— — (*Helicella*) Fér. pr. 187 bis. Hist. t. 73 A. f. 3.

— — Chemn. ed. II. *Helix* N. 77. t. 14. f. 9. 10.

— *auriculata* Swains. Zool. Ill. t. 9.

— — Wood suppl. t. 7. f. 4.

— *papilionacea* Val. Humb. voy. Zool. II. p. 241. t. 56. f. 6.

— *collapsa* (*Helicella*) Fér. pr. 187?

*Planorbis collapsus* Perry Conch. t. 54. f. 5?

*Obba planulata* Beck ind. p. 30.

*Pusiodon auriculata* Swains. Malac. p. 330.

β. Solidior, albida, corneo-strigata, magis minusve rugulosa, spira plerumque elatiore: diam. maj. 34, min. 25, alt. 48 mill. (Spec.)

*Helix papilla* Collect. Nec Müll.

Habitat in insulis Philippinis: Luzon, Mindoro, Luban etc (Cuming.)

988. *H. zonalis* Férussac.

T. umbilicata, globoso-depressa, leviter striatula, albido-flava, fasciis 3—4 purpureo-nigricantibus cingulata; anfr.  $5\frac{1}{2}$  convexiusculi, ultimus antice vix descendens; umbilicus mediocris, pervius; apertura lunato-subcircularis; perist. album, reflexum, marginibus disjunctis, columellari obtuse unidentato. — Diam. maj. 25, min. 19, alt. 12 mill. (Mus. Brit.)

*Helix zonalis* (Helicella) Fér. pr. 475. Hist. t. 70. f. 3.

— — Pfr. Symb. II. p. 42.

— — Chemn. ed. II. Helix N. 24. p. 50. t. 6. f. 44. 45.

— *zonaria* Chemn. IX. P. 2. p. 140. t. 132. f. 1188.

*Planispira zonalis* Beck ind. p. 30.

Habitat in insulis Moluccis (Beck).

989. *H. Moricandi* Sowerby.

T. umbilicata, semiglobosa, basi planiuscula, nitida, albido-flava, fasciis rufis 2—3 cincta; anfr.  $5\frac{1}{2}$  convexi, ultimus margine dextro subito deflexus; umbilicus angustus, pervius; apertura horizontalis, transverse pyriformis; perist. connexum, margine supero expanso, basali late reflexo, ad basin dente unico crasso instructo. — R. a. = 3 : 5. — Diam. maj. 33, min. 27, alt. 16 mill. (Coll. Nr. 606.)

*Helix Moricandi* Sow. in sched. Cuming.

— — Pfr. in Proc. Zool. Soc. 1842. p. 86.

— — Pfr. Symb. II. p. 34.

— — Chemn. ed. II. Helix N. 463. t. 77. f. 7—9.

Habitat in insula Bohol Philippinarum (Cuming).

Obs. Differt a praecedente, cui persimilis, basi plana, anfractu ultimo deflexo, apertura horizontali et peristomate continuo.

990. *H. Lasallei* Eydoux.

T. umbilicata, depressa, crassiuscula, laevis, fulvescens, brunneo-trizonata et albido-marmorata; spira vix elata; anfr.  $4\frac{1}{2}$ —5 planiusculi, ultimus teres, ad aperturam subito deflexus; umbilicus mediocris, pervius; apertura horizontalis, auriformis; perist. valde incrassatum, reflexum, continuum, margine supero

sinuoso, impresso, basali obsolete dentato. — R. a. = 3 : 4. — Diam. maj. 28, min. 22, alt. 42 mill. (Coll. Nr. 607.)

*Helix Lasalli* Eydoux in Guér. mag. t. 115. f. 4.

— — Chemn. ed. II. Helix N. 462. t. 77. f. 4—6.

— *meretrix* Sow. in Proc. Zool. Soc. 1844. p. 20.

— — Pfr. Symb. II. p. 33.

— — Reeve Conch. syst. II. t. 463. f. 6.

Habitat in insula Luzon (Cuming).

991. *H. columbaria* Sowerby.

T. umbilicata, depressa, oblique subtiliter striata, straminea, brunneo varie zonata, maculis sulphureo-albidis tessellatis ad suturam et basin variegata; spira parum elata; anfr. 5 convexi, ultimus juxta aperturam valde constrictus; umbilicus angustus, pervius; apertura subauriformis; perist. carneum, simplex, marginibus callo tenui junctis, supero expanso, basali reflexo, obsolete unidentato. — R. a. = 2 : 3. — Diam. maj. 27, min. 22½, alt. 44 mill. (Coll. Nr. 608.)

*Helix columbaria* Sow. in Proc. Zool. Soc. 1844. p. 19.

— — Pfr. Symb. II. p. 26.

— — Reeve Conch. syst. II. t. 463. f. 5.

— — Chemn. ed. II. Helix N. 464. t. 77. f. 4—3.

Habitat in insula Luzon (Cuming).

992. *H. brevidens* Sowerby.

T. umbilicata, depressa, tenuiuscula, minute granulata, pallide fusca, linea fusca superne circumdata; spira subplanulata; anfr. 4 planiusculi, ultimus basi inflatus; umbilicus angustus, semitectus; apertura lunaris, intus alba; perist. simplex, reflexum, margine columellari expanso, basali unidentato. — R. a. = 3 : 8. — Diam. maj. 20, min. 17, alt. 44 mill. (Coll. Nr. 609.)

*Helix brevidens* Sow. in Proc. Zool. Soc. 1844. p. 25.

— — Pfr. Symb. II. p. 24.

— — Chemn. ed. II. Helix N. 466. t. 78. f. 10—12.

Habitat in insula Mindoro Philippinarum (prope Puerto Galero: Cuming).

993. *H. quadrfasciata* Le Guillou. †

T. orbicularis, depresso-convexiuscula, umbilicata, exalbida; anfr. 4½, supremi fusco-fasciati, ultimus 4-fasciatus: fasciis 2 superna et 2 inferna facie; spira convexo-obturata; umbilicus dilatatus, profundus; apertura obliquissima, subovalis, intus ad basin



grosse unidentata; perist. reflexum, extrorsum strangulatum et versus basin angulosum. — Diam. 48, alt. 9 mill. (G.)

*Helix quadrifasciata* Le Guill. in Revue zool. 1842. p. 444.

Habitat in insula Ternate.

#### 994. *H. profunda* Say.

T. umbilicata, orbiculato-convexa, tenuis, confertim costulato-striata, sub epidermide lutescente squalide alba unicolor vel fascia unica lata rufa supra peripheriam ornata; spira vix elevata; anfr. 5 convexiusculi, ultimus vix descendens; umbilicus mediocris, pervius; apertura lunaris; perist. latum, angulatum expansum, margine basali reflexo, subunidentato. — Diam. maj. 29, min. 24, alt. 44 mill. (Coll. Nr. 640.) Diam. maj. 33, min. 27, alt. 48 mill. (ex ic. Deless.)

*Helix profunda* Say in Philad. journ. II. p. 460.

— — Say Amer. Conch. t. 37. f. 3. Ed. Chenu t. 43. f. 2 b. 2 c.

— — Binn. in Bost. journ. III. p. 377. t. 15.

— — Chemn. ed. II. Helix N. 464. t. 77. f. 44—46.

— Richardi (Helicella) Fér. pr. 174. Hist. t. 70. f. 4.

— — Lam. 25. p. 72. ed. Dh. p. 40.

— — Deless. recueil t. 26. f. 7.

β. Rufo-multilineata.

Habitat in America boreali: Tennessee, Knoxville (Fér.), Ohio, Mississippi et Missouri (Say), Indiana (Beck).

#### 995. *H. Sayi* Binney.

T. umbilicata, orbiculato-depressa, tenuis, luteo-cornea, costulato-striata; anfr. 6 convexiusculi, ultimus non descendens; umbilicus mediocris; apertura lunato-subcircularis, dente 4 linguiformi in pariete aperturali coarctata; perist. intus albo-labiatus, anguste reflexum, margine basali unidentato, columellari dilatato. — Diam. maj. 27, min. 23, alt. 43 mill. (Mus. Cuming.)

*Helix Sayi* Binn. in Bost. journ. III. p. 379. t. 46.

— diodontia Say Exped. to St. Peter's river II. 257. t. 45. f. 4.

— . . . Fér. hist. t. 69 I. f. 2.

Habitat in America boreali: Illinois, Maine, Vermont.

Obs. Differt ab *H. profunda* praeter dentem parietis aperturalis anfractibus angustioribus.

#### 996. *H. tridentina* Férussac.

T. umbilicata, globoso-depressa, solida, oblique striata. albidula, fulvo-nebulosa, fusco-3—4 cingulata; anfr. 4½ planulati, lente accrescentes, ultimus subangulatus, antice deflexus, basi subplanus; apertura subhorizontalis, lunaris; perist. incrassatum,

reflexum, marginibus junctis, dextro rotundato, columellari umbilicum semitegente, basali tridentato: dente 1 solitario, 2 junctis, extus scrobiculum latum formantibus. — Diam. maj. 25, min. 21½, alt. 13 mill. (Coll. Nr. 644.)

*Helix tridentina* Fér. hist. t. 54 A. f. 4—6.

— — Pfr. Symb. II. p. 443.

— — Phil. Icon. II. 45. p. 186. Helix t. 9. f. 8.

— — Chemn. ed. II. Helix N. 467. t. 78. f. 1. 2.

Habitat in insula Jamaica.

Obs. Variat umbilico fere omnino oblecto. — Conf. affines *H. Schroeteriana* (Nr. 4045.), *siniata* (Nr. 796.), *Okeniana* (Nr. 821.).

#### 996°. *H. devia* Gould. †

T. orbiculato-depressa, oblique striata, dilute viridi-cornea, umbilico modico canaliculato perforata; anfr. 6 convexi, ultimus ad peripheriam rotundatus; apertura transversa, oblique lunata, ad anfractum penultimum unidentata, dente trigono; labrum album, late reflexum, ad basim horizontale, umbilicum aliquanto ambiens. — Lat. ¼, alt. ⅔ poll. (G.)

*Helix devia* Gould 1846. Exped. shells p. 17.

Habitat in Oregon?

Obs. «Similis *H. pedestri*, nec non *H. palliatae* var. meridionali».

#### 997. *H. bahamensis* Pfr.

T. anguste umbilicata, depressa, tenuis, cornea, costulato-striata; spira brevis, convexiuscula; anfr. 4½ vix convexiusculi, ultimus antice deflexus; apertura subhorizontalis, transverse ovalis; perist. simplex, tenue, marginibus approximatis, supero breviter expanso, basali reflexo, intus dente triangulari, valido munito, columellari dilatato, reflexo, umbilicum angustum, pervium semitegente. — Diam. maj. 17, min. 44, alt. 7½ mill. (Mus. Brit. et Cuming.)

*Helix bahamensis* Pfr. in Proc. Zool. Soc. 1845. p. 66.

— . . . Fér. hist. Livr. 34. t. 2 f. 6?

Habitat in insula Bahama.

Obs. Similis *H. Villiersii* Orb., dente valido basali, a margine subromoto, distincta.

#### §. 74.

#### 998. *H. ungulina* Linn.

T. umbilicata, depresso-globosa, utrinque concava, tenuis, striata, rufa; spira profunde immersa; anfr. 5½ convexi, angusti, ultimus magnus, inflatus, antice descendens, basi circa umbilicum

infundibuliformem excavatus; apertura subverticalis, lunaris: perist. simplex, margine dextro expanso, basali reflexo, columellari dilatato. — Diam. maj. 43, min. 37, alt. 23 mill. (Coll. Nr. 642.)

*Helix unguina* L. syst. ed. 40. p. 772. ed. 42. p. 4245. N. 682.

— — Born test. p. 379. t. 15. f. 11. 12.

— — (Helicella) Fér. pr. 192. Hist. t. 77. f. 3.

— — Lam. 29. p. 73. ed. Dh. p. 44.

— — Desh. in Fér. hist. p. 44.

— — Chemn. ed. II. Helix N. 78. t. 44. f. 7. 8.

— *badia* Gmel. p. 3639. N. 474.

*Chloritis unguina* Beck ind. p. 29.

*Rumph* Mus. t. 27. R!

*Seba* Mus. III. t. 40. f. 44.

β. Minor: diam. maj. 29, min. 24, alt. 15 mill.

*Helix unguina* Fér. t. 77. f. 2.

Habitat in insula Java.

#### 999. *H. Gruneri* Pfr.

T. umbilicata, depressa, superne planiuscula, minutissime punctato-striata, rufa; anfr.  $5\frac{1}{2}$  sensim accrescentes, planiusculi, ultimus rotundatus, antice vix deflexus; umbilicus angustus, pervius; apertura subverticalis, depressa, late lunaris; perist. incrassatum, reflexum, marginibus callo tenui, superne dentem arcuatum, validum formante, junctis. — Diam. maj. 38, min. 32, alt. 48 mill. (Mus. Cuming.)

*Helix Gruneri* Pfr. in Proc. Zool. Soc. 1845. p. 63.

Habitat . . . ?

#### 1000. *H. unguicula* Férussac.

T. umbilicata, discoidea, leviter striata, aurantia, albido aliquando fasciata, superne plana; sutura distincta; anfr.  $5\frac{1}{2}$  planulati, ultimus teres, antice vix descendens; umbilicus infundibuliformis; apertura lunaris; perist. simplex, marginibus callo tenuissimo junctis, supero expanso, basali reflexo, columellari vix dilatato. — Diam. maj. 34, min. 26, alt. 44 mill. (Coll. Nr. 643.)

*Helix unguicula* (Helicella) Fér. pr. 194. Hist. t. 76. f. 3. 4.

— — Lam. ed. Dh. 454. p. 99.

— — Desh. in Fér. hist. p. 42.

— — Chemn. ed. II. Helix N. 38. t. 8. f. 40. 44.

— *unguina* Chemn. IX. P. 2. p. 84. t. 425. f. 4098. 99.

*Chloritis unguicula* Beck ind. p. 29.

β. Minor, anfr. 5 convexiusculis: diam. maj. 24, min. 18, alt. 10 mill

Habitat in insula Java.

basali obsolete unidentato. — Diam. maj. 24, min. 19, alt. 10 mill.  
(Coll. Nr. 647.)

*Planispira coluber* Beck ind. p. 30. (ex synon.)

*Helix coluber* Chemn. ed. II. Helix N. 23. p. 49. t. 6. f. 8 9.

— *zonaria* Chemn. IX. P. 2. p. 140. t. 132. f. 1189.

— — var. *Fér.* hist. t. 73. f. 1. 2.

*Knorr* Vergnüg. V. p. 33. t. 21. f. 3!

Habitat in insula Java (Beck).

Obs. Differt ab *H. zonaria* colore, anfractu ultimo distincte striato, superne longitudinaliter impresso, subtus valde constricto, apertura fere lanceolata, marginibus magis approximatis.

1006. *H. circumdata* Férussac.

T. umbilicata, subdiscoidea, superne concava, laevigata, albo-rufescens, lineis rufis numerosis, angustis, regularibus ornata; spira concava, obsolete granulata; anfr.  $5\frac{1}{2}$  convexiusculi. primi angustissimi, ultimus basi subplanatus, medio excavatus; umbilicus mediocris; apertura subverticalis, angusta, lunaris; perist. subreflexum, margine dextro prope insertionem repando, columellari arcuato, subdilatato. — Diam. maj. 24, min. 20, alt. 9—10 mill. (Mus. Cuming. et Gruner.)

*Helix circumdata* (Helicella) *Fér.* pr. 193. Hist. t. 77. f. 1.

— — *Fér.* in Voy. de Freyc. Zool. p. 470. t. 67. f. 12. 13.

— — *Lam.* ed. Dh. 152. p. 99.

— — *Desh.* in *Fér.* hist. p. 43.

— — *Phil.* Icon. I. 7. p. 152. t. 5. f. 9.

— — *Chemn.* ed. II. Helix N. 335. t. 59. f. 4—6.

*Chloritis circumdata* Beck ind. p. 29.

?? *Fér.* t. 76. f. 1. — Nonne diversa species?

Habitat in insulis Papuis (Quoy et Gaim.), Moluccis (Beck).

1007. *H. nubeculata* Deshayes. †

T. umbilicata, discoidea, laevigata, supra convexiuscula, albido-grisea, maculis longitudinalibus nubeculata, inferne albidula; anfr. 5 convexiusculi, sensim accrescentes; apertura subdepressa, lunaris; perist. tenue, subexpansum, basi subincrassatum, ad umbilicum mediocrem dilatatum. — Diam. maj.  $18\frac{1}{2}$ , min. 16, alt. 14 mill. (ex ic.)

*Helix nubeculata* *Desh.* in *Guér.* mag. 1831. t. 28.

— — *Lam.* ed. Dh. 154. p. 100.

Habitat . . . ?

1008. *H. Gaimardi* Deshayes. †

T. umbilicata, impresso-globosa, minutim granulato-punctata, luteo-fusca; spira convexiuscula; anfr. 5 convexiusculi, angusti.

1003°. **H. Kurri Pfr.**

T. mediocriter umbilicata, depressa, tenuis, punctis distantibus sub lente scabriuscula, diaphana, corneo-albida, fascia 1 angusta rufa, altera obsoleta infra peripheriam ornata; spira plana; anfr.  $4\frac{1}{3}$ , primi convexiusculi, ultimus sensim descendens, utrinque subplanus, antice subconstrictus; apertura obliqua, subtriangulari-lunaris; perist. simplex, tenuis, marginibus conniventibus, supero late expanso, basali reflexo, columellari brevi, triangulatum dilatato. — Diam. maj. 25, min. 20, alt. 10 mill. (Mus. Cuming.)

*Helix Kurri Pfr.* in Proc. Zool. Soc. 1847.

Habitat . . . ?

1004. **H. zonaria Linn.**

T. umbilicata, orbiculato-depressa, glabra, tenuissime striata, albida, fusco, rufo et livido varie zonata et nubeculata; spira plana, medio paululum immersa; anfr. 5 superne planiusculi, rapide accrescentes, ultimus descendens, depressus, basi subplanulatus, juxta umbilicum angustum, cylindricum scrobiculatus; apertura perobliqua, ovalis; perist. acutum, margine supero expanso, in medio impresso, basi reflexo, juxta columellam obtuse dentato. — Diam. maj. 26, min.  $24\frac{1}{2}$ , alt. 11 mill. (Coll. Nr. 616.)

*Helix zonaria Linn.* syst. ed. 12. p. 1245. N. 681.

— — (Helicella) *Fér.* pr. 177. Hist. t. 71. f. 6—10. t. 73 f. 3—10.

— — *Lam.* 37. p. 75. ed. Dh. p. 44.

— — *Fér.* in Voy. de Freycin. Zool. p. 469. t. 67. f. 14. 15.

— — *Quoy et Gaim.* Astrol. II. p. 104. t. 8. f. 14.

— — *Chemn.* ed. II. *Helix* N. 569. t. 14. f. 11. 12. t. 90. f. 13—18.

*Planispira zonaria Beck* ind. p. 30.

*Pusiodon zonaria Swains.* Malac. p. 330.

*Lister* t. 73. f. 72.

*Seba* Mus. III. t. 38. f. 67. t. 40. f. 29. 49—58!

*Knorr* Vergnüg. V. p. 33. t. 21. f. 41

Habitat in insulis Moluccis, Timor, Waigiou (*Fér.*) et Java.

1005. **H. coluber (Planispira) Beck.**

T. umbilicata, orbiculato-depressa, glabra, albida, maculis corneis seriatis ornata; spira plana, medio subimmersa; anfr.  $4\frac{1}{2}$  planiusculi, rapide accrescentes, ultimus latus, depressus, costulato-striatus, ad peripheriam et subtus rufo-zonatus (area columellari dilatata, pallide cornea), ad aperturam superne sulcatus, basi constrictus, antice deflexus; apertura perobliqua, lunari-elliptica; perist. acutum, late expansum, reflexum, margine

basali obsolete unidentato. — Diam. maj. 24, min. 19, alt. 10 mill. Coll. Nr. 647.)

*Planispira coluber* Beck ind. p. 30. (ex synon.)

*Helix coluber* Chemn. ed. II. *Helix* N. 23. p. 49. t. 6. f. 8 9

— *zonaria* Chemn. IX. P. 2. p. 140. t. 132. f. 1189.

— — var. *Fér.* hist. t. 73. f. 1. 2.

*Knorr* Vergulig. V. p. 33. t. 21. f. 3'

Habitat in insula Java (Beck).

Obs. Differt ab *H. zonaria* colore, anfractu ultimo distincte striato, superne longitudinaliter impresso, subitus valde constricto, apertura fere lanceolata marginibus magis approximatis.

#### 1006. *H. circumdata* Férussac.

T. umbilicata, subdiscoidea, superne concava, laevigata, albo-rufescens, lineis rufis numerosis, angustis, regularibus ornata; spira concava, obsolete granulata; anfr. 5½ convexiusculi. primi angustissimi, ultimus basi subplenus, medio excavatus; umbilicus mediocris; apertura subverticalis, angusta, lunaris; perist. subreflexum, margine dextro prope insertionem repando, columellari arcuato, subdilato. — Diam. maj. 24, min. 20, alt. 9—10 mill. (Mus. Cuming. et Gruner.)

*Helix circumdata* (Helicella) *Fér.* pr. 193. Hist. t. 77. f. 4.

— — *Fér.* in Voy. de Freyc. Zool. p. 470. t. 67. f. 12. 13.

— — *Lam.* ed. Dh. 152. p. 99.

— — *Desh.* in *Fér.* hist. p. 43.

— — *Phil.* Icon. I. 7. p. 152. t. 5. f. 9.

— — *Chemn.* ed. II. *Helix* N. 335. t. 59. f. 4—6.

*Chloritis circumdata* Beck ind. p. 29.

? *Fér.* t. 76. f. 4. — Nonne diversa species?

Habitat in insulis Papuis (Quoy et Gaim.), Moluccis (Beck).

#### 1007. *H. nubeculata* Deshayes. †

T. umbilicata, discoidea, laevigata, supra convexiuscula, albido-grisea, maculis longitudinalibus nubeculata, inferne albidula; anfr. 5 convexiusculi, sensim accrescentes; apertura subdepressa, lunaris; perist. tenue, subexpansum, basi subincrassatum, ad umbilicum mediocrem dilatatum. — Diam. maj. 18½, min. 16, alt. 14 mill. (ex ic.)

*Helix nubeculata* *Desh.* in *Guér.* mag. 1834. t. 28.

— — *Lam.* ed. Dh. 154. p. 100.

Habitat . . . ?

#### 1008. *H. Gaimardi* Deshayes. †

T. umbilicata, impresso-globosa, minutim granulato-punctata, luteo-fusca; spira convexiuscula; anfr. 5 convexiusculi, angusti.

strigis angustis, rufis, approximatis, undulatis, interdum ramosis et ad suturam fascia pallida, maculis irregularibus rufis tessellata. ornata; spira plana; anfr.  $4\frac{1}{2}$  convexi, ultimus inflatus, subcompressus, antico vix descendens; apertura subobliqua, ampla, lunato-rotundata, intus concolor; perist. tenue, expansum, marginibus distantibus, supero expanso, basali breviter reflexo, columellari membranaceo-dilatato, fornicatim reflexo, perforationem tegente. — Diam. maj. 25, min. 20, alt. 12 mill. (Mus. Cuming.)

*Helix hians* Pfr. in Proc. Zool. Soc. 1845. p. 430.

Habitat . . . ?

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1016. *H. nautiliformis* (Drepanostoma) Porro.

T. umbilicata, depressa, suborbiculata, arcte obvoluta, cornea, hispida; spira immersa; anfr. 5, superne vix conspicui, ultimus magnus, reliquos involvens; umbilicus perspectivus; apertura subverticalis, anguste lunaris; perist. rubello-fuscum, reflexum, margine dextro superne arcuatim dilatato. — Diam. maj.  $6\frac{1}{2}$ , min.  $5\frac{1}{2}$ , alt.  $3\frac{1}{2}$  mill. (Coll. Nr. 618.)

*Drepanostoma nautiliforme* Porro Malac. p. 23. t. 4. f. 3.

— — Porro Bibl. ital. 1836. tom. 82.

— — Villu disp. syst. p. 56.

— — Guérin mag. t. 74.

*Helix nautiliformis* Cantr. Malac. p. 117. t. 43. f. 3.

— — Rossm. X. p. 14. f. 643.

— — Desh. in Fér. hist. p. 44. t. 72. f. 44.

— — Chemn. ed. II. Helix N. 574. t. 90. f. 4—9.

*Chloritis drepanostoma* Beck ind. p. 29.

Habitat in Lombardia.

§. 72.

1017. *H. Linnaeana* Pfr.

T. umbilicata, depressa, utrinque convexiuscula, acute carinata, pallide fulva, superne rugoso-malleata, basi minute et oblique rugulosa; anfr.  $5\frac{1}{2}$  lente accrescentes, planulati, ultimus basi subinflatus, antice vix descendens; umbilicus majusculus, cylindricus; apertura angulato-lunaris, ad carinam canaliculata; perist. incrassatum, carneum, marginibus callo junctis, supero brevi, expanso, basali arcuato, reflexo, columellari breviter descendente, subdilatato. — Diam. maj. 62, min. 57, alt. 28 mill. (Mus. Cuming.)

*Helix Linnaeana* Pfr. in Proc. Zool. Soc. 1845. p. 43.

Habitat . . . ?

1018. *H. Bornii Chemnitz.*

T. umbilicata, orbiculato-convexa, solida, oblique rugoso-striata, acute carinata, sub epidermide lutescente, decidua alba, fasciis 2 latis, nigro-castaneis ornata; spira obtusa; sutura linearis; anfr. 5 planiusculi, ultimus antice subgibbus, paululum deflexus; apertura perobliqua, lunato-elliptica; perist. incrassatum, album, reflexum, marginibus callo junctis, columellari dilatato, umbilicum mediocrem, porvium semitigente. — R. a. = 3:4. — Diam. maj. 34, min. 29, alt. 44 mill. (Coll. Nr. 649.)

*Helix* (marginata) *Bornii Chemn.* IX. P. 2. p. 80. t. 125. f. 1097.

— *Bornii Chemn.* ed. II. *Helix* N. 37. t. 8. f. 3. 6.

— *marginata* *Born* test. p. 367. t. 14. f. 7. 8. Nec Müll.

— — (Helicigona) *Fér.* pr. 440. Hist. t. 63. f. 7. 8.

— — *Blainv.* Dict. sc. nat. XX. p. 428.

— — *Orb.* moll. cub. I. p. 154. t. 9. f. 11 — 13.

— — *Küst.* in ind. fasc. 32.

— *marginella* *Gmel.* p. 3622. N. 162.

— — *Wood* ind. t. 32. f. 4.

— *indiscreta* *Müll.* ined. (teste Beck.)

— *fasciata* *Blainv.* Malac. p. 460. t. 39. f. 3.

*Caracolla marginata* *Lam.* 11. p. 98. ed. Dh. p. 117.

— *unifasciata* *Schumach.* p. 192.

— *Lamarckii* *Sow.* Conch. Man. ed. II. p. 99. f. 277?

— *marginella* *Küst.* Icon. moll. et test. P. I. Fasc. II. t. 1. f. 2

*Caracolla indiscreta* *Beck* ind. p. 34.

*Discodoma marginata* *Swains.* Malac. p. 329.

*Lister* t. 68. f. 67.

Habitat in insula Portorico (Maugé, Lam.) Cuba?

Obs. 1. Quid sit *H. marginata* *Fér.* hist. t. 63. f. 11. 12, nescio. Num forsan var. *H. Bornii*?

Obs. 2. *H. Sagemon* *Beck* (Nr. 46.). etsi primo aspectu diversissima, ab aliis pro varietate speciei nostrae habita est.

1019. *H. serpens (Solarium) Spix.*

T. umbilicata, lenticularis, utrinque convexa, confertim undulato-striata, tenuis, corneo-straminea, fascia interrupta rufa ad suturam ornata; anfr. 5 plani, ultimus acute carinatus, infra carinam fascia rufa lineisque permultis rufis signata; apertura angulato-lunaris; perist. tenue, margine supero vix expanso, basali reflexiusculo. — Diam. maj. 34. min. 28, alt. 45 mill. (Coll. Nr. 620.)

*Solarium serpens* *Spix* test. bras. t. 17. f. 2.

*Helix serpens* *Pfr.* Symb. II. p. 100.

— — *Chemn.* ed. II. *Helix* N. 672. t. 107. f. 7 — 9.



*Helix punctata* Wagn. in Spix p. 23.

β. Unicolor:

*Helix pellis serpentis* var. Fér. hist. t. 74. f. 2.

Habitat in Brasilia, in sylvis prov. Pernambucanae et Piaubiensis (Spix).

Obs. Persimilis *H. heliacae* (Nr. 966.), carina acuta, sculptura etc. distincta.

1020. *H. lanx* Férussac.

T. late umbilicata, depressa, carinata, oblique striata et rugulosa, fusca, infra carinam saturatior; anfr. 5 planiusculi, ultimus antice subdeflexus; umbilicus magnus, pervius; apertura lunato-elliptica, intus margaritacea; perist. reflexum, intus coerulescenti-album, marginibus approximatis, callo tenui junctis, dextro sinuoso, basali strictiusculo. — R. a. = 4 : 2. — Diam. maj. 55, min. 46, alt. 22 mill. (Coll. Nr. 624.)

*Helix lanx* (Helicigona) Fér. pr. 156. Hist. t. 65. f. 7.

— — Pfr. Symb. I. p. 44.

— — Pot. et Mich. gal. I. p. 423?

— — Chemn. ed. II. Helix N. 667. t. 106. f. 1—3.

β. Major:

*Helix Radama* Less. voy. de la Coq. p. 304. t. 7. f. 4.

— — Less. Cent. zool. t. 9.

Habitat in insula Madagascar.

1021. *H. Lamarei* Menke.

T. rimato-perforata, superne depressa, subtus inflata, tenuis, minutissime granulata, albida, epidermide tenui, corneo-virente induta; spira planiuscula; anfr. 4, ultimus acute carinatus, supra carinam antice evanescentem canaliculatus, subtus valde inflatus, basi compressus; umbilicus anfractum penultimum modo monstrans; apertura obliqua, subcircularis; perist. simplex, superne late expansum, subreflexum, basi breviter reflexum, marginibus approximatis, callo junctis. — Diam. maj. 34, min. 26, alt. 16 mill. (Coll. Menkean.)

*Helix Lamarei* Mke mss.

— — Pfr. Symb. III. p. 79.

Habitat in insula Madagascar (Lamare-Piquot).

1022. *H. Xystera* Valenciennes.

T. umbilicata, orbicularis, depressa, acutissime carinata, tenuis, diaphana, olivaceo-fusca; sutura levissima; anfr. 4 plani, ultimus basi convexus, circa umbilicum infundibuliformem subangulatus; apertura perobliqua, depressa, irregularis; perist.

reflexum, margine supero dilatato, columellari brevi cum basali angulum obtusum formante. — R. a. = 1 : 2. — Diam. maj. 38, min. 32, alt.  $4\frac{1}{2}$  mill. (Coll. Nr. 622.)

*Helix Xystera* Val. in Mus. Paris.

— — Pfr. Symb. I. p. 44.

— — Chemn. ed. II. Helix N. 346. t. 64. f. 4—6.

— . . . . Fér. hist. t. 62 A. f. 5—7.

— *madagascariensis* Encycl. méth. t. 462. f. 2?

— *lanx* Desh. in Enc. méth. II. p. 264. N. 438.

*Carocolla madagascariensis* Lam. 10. p. 98. ed. Dh. p. 447.

*Lucerna lanx* Swains. Malac. p. 329.

Habitat in insula Madagascar.

Obs. Hic conf. H. omphalodes Nr. 972.

1023. *H. unicolor* Pfr.

T. umbilicata, depressa, acute carinata, tenuis, fusca, superne subtiliter striata, subtus lineis nonnullis spiralibus elevatis munita; spira depresso-conoidea; anfr. 5 planiusculi, sensim accrescentes, ultimus antice non descendens, basi convexus, ad umbilicum angustum abrupte angulatus; apertura rhomboidea; perist. saturate fuscum, marginibus callo tenuissimo junctis, supero dilatato, expanso, basali ascendente, stricto, columellari brevi, dilatato, umbilicum semioccultante, cum basali angulatim juncto. — Diam. maj. 32, min. 28, alt. 16 mill. (Mus. Cuming. et Gruner.)

*Helix unicolor* Pfr. in Proc. Zool. Soc. 1845. p. 64.

— — Chemn. ed. II. Helix N. 345. t. 64. f. 4—3.

Habitat . . . ?

Obs. Constante differt ab *H. Xystera* umbilico angusto, spira elata, anfractuum numero etc.

1024. *H. fulgurata* Sowerby.

T. umbilicata, depressa, acute carinata, lineis confertis longitudinalibus et transversis regulariter decussata, nitida, albida, lineis rufis elegantissime fulgurata; spira subplanata; anfr. 4 planuli, ultimus subtus fascia unica rufa ornatus, basi inflatus, circa umbilicum anguste infundibuliformem angulatus; apertura subtriangularis, intus nitida, livida; perist. castaneum, marginibus callo castaneo introrsum diffuso junctis, supero subexpanso, basali reflexo, cum columellari brevi, obliquo angulum obtusum formante. — Diam. maj. 37, min. 30, alt.  $4\frac{1}{2}$  mill. (Spec. unic. Mus. Brit.)

*Helix fulgurata* Sow. in Malac. and Conch. mag. I. p. 47. c. tab.

— — Pfr. Symb. III. p. 79.

*Lucerna fulgurata* Swains. Malac. p. 329.

Habitat . . . ?

1025. *H. lancula* Fér.

T. umbilicata, orbicularis, depressa, oblique striata, lincis confertissimis concentricis sub lente decussata, nitide olivaceo-fusca, carinata; carina antice obsoleta; spira parum elata, pallida: anfr. 4 planati, ultimus basi planiusculus, circa umbilicum medio-crem, non pervium subangulatus; apertura perobliqua, transverse lunato-elliptica; perist. subincrassatum, breviter reflexum, coerulescenti-fuscum, marginibus callo introrsum diffuso atro-purpureo junctis, dextro dilatato, depresso, basali strictiusculo, cum columellari obliquo angulum obtusissimum formante. — Diam. maj. 32, min. 28, alt. 14 mill. (Mus. Brit.)

*Helix lancula* (Helicigona) Fér. pr. 157. Hist. t. 65. f. 4—6.

— — Pfr. Symb. III. p. 79.

— — Chemn. ed. II. Helix N. 347; t. 64. f. 12—14.

*Ampeleta lancula* Beck ind. p. 31.

Habitat in insula Madagascar.

Obs. Differt ab *H. fulgurata*, cui proxima, sculptura, spira elevata, basi planulata, apertura subhorizontali, umbilico non pervio.

1026. *H. Terveriana* (Carocolla) Grateloup. †

T. orbiculata, subdepressa, utrinque convexa, carinata, umbilicata, subtilissime striata, glabra, pallide viridis vel flavescens; anfr. 4; apertura subovata, paululum angusta; labrum margine reflexum, intus album; columella superne violacea; umbilicus parvulus. — Diam. 27, alt. 15 mill. (G.)

*Carocolla Terveriana* Grat. Bord. XI. p. 404. t. 1. f. 16.

*Helix lancula* Grat. ibid. p. 463.

Habitat in insula Madagascar (Duisabo, Grat.).

Obs. *H. lanculae* valde affinem dicit auctor; diversa tamen videtur.

1027. *H. parmula* (Carocolla) Broderick.

T. umbilicata, depressissima, discoidea, carinata, tenuis, oblique striata, pallide fulva, fasciis angustis rufis circumdata; spira vix elata; anfr.  $4\frac{1}{2}$ —5 plani, ultimus ad aperturam rugosus et angulatim deflexus; carina acutissima, alba; umbilicus mediocris, pervius; apertura horizontalis, lanceolata; perist. simplex, marginibus junctis, supero expanso, basali late reflexo. — R. a. = 3:7. — Diam. maj. 43, min. 37, alt. 13 mill. (Coll. Nr. 623.)

*Carocolla parmula* Brod. in Proc. Zool. Soc. 1844. p. 38.

— — Reeve Conch. syst. II. t. 167. f. 7.

*Helix parmula* Pfr. Symb. II. p. 36.

— — Chemn. ed. II. Helix N. 668. t. 106. f. 4—6.

β. Minor, diam. 34, alt. 10 mill.

Habitat in insulis Philippinis: α Negros, β Zebu (Cuming).

1028. *H. Oxytes* Benson. †

T. ferrugineo-cornea, depressa; spira convexa, apice planato; peripheria acuta; anfr. 6, oblique subplicati, suturis non excavatis; perist. subreflexum; umbilicus latus et profundus, anfractus usque ad apicem exhibens. — Diam. 4,8 poll. (B.)

*Helix Oxytes* Bens. in Journ. As. Soc. V. p. 354.

Habitat in Bengalìa.

Obs. «Differt ab *H. acumino* Dalmatise magnitudine, colore et labro subreflexo».

1029. *H. chevri* Lesson. †

T. depressa, umbilicata, solidiuscula, oblique subrugosa, lutea, rufo-striata; anfractus ultimus late carinatus; sutura profunda; umbilicus magnus, infundibuliformis; apertura obovata, intus candida; perist. crassum, reflexum, margine glabro. — Diam. 46, alt. 8 lin. (L.)

*Helix chevri* Less. voy. de la Coq. p. 308.

Habitat ad Dorey Novae Guineae.

1030. *H. horizontalis* Pfr.

T. umbilicata, depressa, solida, oblique striata, carinata, luteo-cornea, rufo-fasciata: fasciis 2 supra, 4 infra carinam; anfr. 5 plani, ultimus superne convexus, basi planulatus, ad aperturam subito fere verticaliter deflexus; apertura horizontalis, integra, oblonga; perist. crassum, reflexum, carneum, marginibus parallelis, junctis. — R. a. = 4 : 5. — Diam. maj. 34, min. 26, alt. 14 mill. (Mus. Cuming.)

*Helix horizontalis* Pfr. in Proc. Zool. Soc. 1845. p. 40.

β. Major, rufescens, perist. subsinuoso: diam. maj. 40, min. 34, alt. 15 mill. (Mus. Cuming.)

Habitat in insula Bantayon Philippinarum (Cuming).

Obs. Affinis *H. Reeveanae* (Nr. 984.), umbilico angustiore, carina distincta, perist. crasso, minus expanso, marginibus parallelis diversa. Differt ab *H. Laealii* (Nr. 990.) praeter colorem apertura vix irregulari et anfractu ultimo in toto ambitu deflexo.

1031. *H. marginata* Müller.

T. umbilicata, lenticularis, acute carinata, oblique striata, pallide fulvescens, fasciis pluribus rufis ornata; spira parum elata; anfr. 4 planiusculi, ultimus juxta aperturam superne inflatus, valde deflexus; carina alba, usque ad apicem conspicua; umbilicus angustus, pervius; apertura horizontalis, elliptica; perist. simplex, marginibus subjunctis, supero late expanso, ba-

sali reflexo. — R. a. = 13 : 20. — Diam. maj. 25, min. 22, alt. 9 mill. (Coll. Nr. 624.)

! *Helix marginata* Müll. verm. II. p. 44. N. 244. \*)

— — Chemn. ed. II. Helix N. 472. t. 78. f. 7—9.

— *scabrosa* Fér. pr. 440 bis. Hist. t. 63. f. 1. 2.

— *Grayana* Pfr. Symb. II. p. 29.

*Caracolla scabrosa* Gray in Ann. of Phil. New ser. IX. p. 412.

*Caracolla marginata* Beck ind. p. 34.

β. Major, fasciis saturatioribus, subaequalibus: diam. maj. 30, min. 25, alt. 11 mill. (Spec.)

Habitat in insula Camiguin Philippinarum (Cuming).

Obs. Affinis *H. Reeveanae*, carina acuta et anfractibus planioribus distincta.

### 1032. *H. gallinula* Pfr.

T. umbilicata, lenticularis, acute carinata, solida, flavescenti-grisea, fasciis nonnullis rufis et epidermide hydrophana, maculas triangulares, pallidas formante, ornata; anfr. 4½ plani, ultimus ad aperturam subito deflexus; apertura horizontalis, elliptica; perist. simplex, marginibus callo tenui junctis, basali reflexo, ad umbilicum mediocrem, pervium arcuato. — Diam. maj. 25, min. 20, alt. 9 mill. (Coll. Nr. 625.)

*Helix gallinula* Pfr. in Proc. Zool. Soc. 1845. p. 40.

— — Phil. Icon. I. 7. p. 153. Helix t. 5. f. 5.

β. Minor, testa basi oblique rugulosa, apertura lateraliter minus dilatata.

γ. Utrique lineis impressis, obliquis, circa umbilicum subconcentricis notata, fasciis obsoletis.

Habitat in insulis Philippinis: α et β Luzon, γ Zebu (Cuming).

Obs. Differt ab *H. Listeri* (Nr. 1046.) magnitudine, sculptura et deficiente aperturae.

### 1033. *H. gabata* Gould. †

T. albido-cornea, supra planulata, infra valde convexa, late et profunde umbilicata; anfr. 4½ leviter striati, ultimus carina castanea circumdatus; apertura subquadrata; labrum album, reflexum. — Diam. ⅓, alt. vix ⅔. (G.) — Diam. maj. 22, min. 19, alt. 9 mill. (ex ic.)

*Helix* (*Caracolla*) *gabata* Gould in Bost. journ. IV. p. 454. t. 24. f. 9.

Habitat in provincia Tavoy imperii Birmani.

\*) T. subumbilicata, carinata, subdepressa, oblique striata, alba, fasciis rufis; apertura transversali. — Diam. 9 lin. — T. valde carinata, ita ut carina marginem distinctum, album formet: supra convexa, subius planiuscula. Anfractus 4 glabri. Umbilicus pervius quidem est, at unus tantum anfractus in eo conspicitur. Apertura transversa, subtriangularis. Labrum reflexum, album. Fasciae in fauce pellucentes. (Müll. l. c.)

1033°. *H. merguensis* Philippi.

T. umbilicata, depressa, utrinque convexa, carinata, tenuis, subtilissime granulato-striata, pilis sparsis, brevibus obsita, pallide fuscescens; carina subcompressa, linea castanea antice notata, spira parum elevata, obtusa; anfr. 4<sup>1</sup>; convexiusculi, ultimus antice deflexus, basi inflatus, circa umbilicum mediocrem, conicum, profundum subcompressus; apertura perobliqua, elliptica; perist. undique expansum, reflexiusculum, intus nitide albidum, marginibus fere contiguis, supero leviter, basali valde arcuato. — Diam. maj. 24, min. 17½, alt. 9 mill. (Coll. Nr. 626.)

*Helix Merguensis* Phil. in Zeitschr. f. Mal. 1846. p. 192.

— — Chemn. ed. II. Helix N. 669. t. 106. f. 7—9.

Habitat ad Mergui imperii Birmani (Th. Philippi).

Ob s. Differt a praecedente testa granulosa et pilosa, spira convexa, umbilico angustiore, peristom. latius reflexo, margine supero arcuato.

1034. *H. orientalis* (Carocolla) Gray. †

T. supra convexiuscula, infra convexa, umbilicata, cornea, pellucida; anfr. 7—8 acute carinati, superne dense concentricè striati; apertura lineari-lunata; perist. reflexum, album. — Axis ⅓, diam. ½ unc. (Gr.)

*Carocolla orientalis* Gray in Ann. of. Phil. 1825. IX. p. 412.

Habitat in India orientali?

§. 73.

1035. *H. labyrinthus* Chemnitz.

T. umbilicata, lenticularis, rufa; anfr. 6 convexiusculi, ultimus basi constrictus, bicrobiculatus; apertura subhorizontalis, auriformis, coarctata; perist. subincrassatum, breviter reflexum, sinuosum, ad carinam canaliculatum, marginibus callo alte prominente, laminam erectam latam, intrantem emittente junctis, supero arcuato, basali flexuoso, juxta canalem lamina latissima triangulari, oppositam fere attingente, et dente valido in medio instructo; lamina tertia parvula in fundo marginis superioris — Diam. maj. 44, min. 37, alt. 16 mill. (Mus. Cuming.)

*Helix labyrinthus* Chemn. XI. p. 274. t. 208. f. 2048.

— — Desh. in Guér. mag. t. 111. f. 4.

— — Chemn. ed. II. Helix N. 34. t. 2. f. 5.

— — γ (Helicodonta) Fér. hist. t. 54 B. f. 5.

— otis Soland. Portl. cat. p. 38.

*Labyrinthus otis* Beck ind. p. 33.

*Lyrostoma labyrinthia* Swains. Malac. p. 329.

*Encycl. Recueil de planches*. VI. t. 64. f. 18. (Chemn.)

♂. Minor: diam. maj. 36, min. 30, alt. 12 mill. (Mus. Cuming)

?? Diam. maj. 39, min. 35, alt. 14 mill. (Coll. Nr. 627.)

*Carocolla subplanata* Petit in Revue zool. 1843. p. 238.

— — Guér. mag. 1843. t. 68.

*Helix labyrinthus* var.? Chemn. ed. II. Helix t. 104. f. 5—7.

Habitat in America centrali, γ in Nova Granada (Goudot, Petit).

Obs. Differt a sequente apertura transversim elongata, quasi rostrata et laminis internis fere contiguis, in 3 speciminibus Musaei Cumingiani omnino constantibus. Attamen var. γ transitum inter ambas formare videtur.

#### 1036. *H. plicata* Born.

T. umbilicata, orbicularis, acute carinata, utrinque convexa. solidiuscula, castanea vel fusca, striata, lineis concentricis confertissimis subtilissime granulato-decussata; anfr. 5, ultimus antice convexus, ad aperturam extus scrobiculatus; apertura subhorizontalis, ringens, subauriformis; perist. reflexum, ad carinam subcanaliculatum. marginibus lamina elevata, lamellam elongatam. intrantem emittente junctis, columellari breviter arcuato, basali bidentato: dente altero e basi lata brevi, obtuso, altero majore, sulcato. — Diam. maj. 50, min. 42, alt. 20 mill. (Coll. Nr. 628.)

*Helix plicata* Born test. p. 368.

— — Desh. in Guér. mag. 1838. t. 10.

— — Chemn. ed. II. Helix N. 662. t. 104. f. 1—4.

— *labyrinthus* β Fér. hist. t. 54 B. f. 4.

*Carocolla labyrinthus* Lam. 4. p. 96. ed. Dh. p. 144.

— — var. Reeve Conch. syst. II. t. 167. f. 3.

— *Hydiana* Lea obs. II. p. 98. t. 23. f. 73.

— *plicata* Jay catal. 1839. p. 51.

*Labyrinthus plicata* Beck ind. p. 33.

Knorr Vergnüg. V. p. 42. t. 26. f. 5.

Seba Mus. III. t. 40. f. 24. 25?

Habitat in America centrali: Panama, Porto Cabello (Lea).

Obs. Conf. *H. bifurcata* Desh. (Nr. 986.)

#### 1037. *H. uncigera* (*Carocolla*) Petit.

T. umbilicata, orbicularis, subdiscoidea, acutissime carinata. minute granulata, alba, fasciis nigro-fuscis cineta; spira vix elevata; anfr. 5 plani, ultimus basi planiusculus, antice subito deflexus, subtus scrobiculatus; apertura subhorizontalis, rhombea. lamella valida alba parietis aperturalis coarctata; perist. simplex, marginibus callo funiculato junctis. supero expanso, basali reflexo, juxta carinam lamella longe intrante, retrorsum uncinata, et prope columellam dente obtuso armato. — Diam. maj. 29, min. 26, alt. 10 mill. (Mus. Cuming.)

*Carocolla uncigera* Petit in Guér. mag. 1838. t. 113.

*Helix labyrinthus* a Fér. hist. t. 54 B. f. 2. 3.

— *uncigera* Chemn. ed. II. Helix N. 663. t. 104. f. 8—10.

Knorr Vergnüg. V. p. 42. t. 26. f. 6. 7!

Habitat prope Panama.

1037<sup>a</sup>. *H. leucodon* Pfr.

T. anguste umbilicata, depressa, sublenticularis, undique subtiliter granulata, saturate castanea; spira plane elevata, vertice obtuso; anfr. 5 subplanulati, ultimus carinatus, antice gibbus, ad aperturam subito deflexus, constrictus, subtus scrobiculatus; apertura perobliqua, irregulariter pyriformis; perist. tenue, album, expansum, reflexiusculum, marginibus lamina elevata, flexuosa, medio lamellam erectam, linguiformem emittente junctis, supero dente 4 parvulo, basali 2—3 (primo infra carinam acuto, secundo obtusiore, tertio huic approximato, subobsoleto) munitis. — Diam. maj. 24, min. 19, alt. 10 mill. (Coll. Philippian.)

*Helix leucodon* Pfr. in Zeitschr. f. Mal. 1847. p. 84.

Habitat . . . ?

1038. *H. quadridentata* (Carocolla) Broderip.

T. umbilicata, orbiculata, tenuiuscula, striata, granulata, fusca; spira depresso-conoidea; anfr. 5½ vix convexiusculi, ultimus carinatus, basi convexus, antice subito deflexus, scrobiculatus; apertura auriformis, fusca, dente lamelliformi parietis aperturalis coarctata; perist. simplex, marginibus callo funiculato junctis, supero late expanso, basali sinuoso, infra carinam dente acuto, prominente, et prope umbilicum mediocrem 2 minoribus instructo. — Diam. maj. 49, min. 47, alt. 9 mill. (Mus. Cuming.)

*Carocolla quadridentata* Brod. in Proc. Zool. Soc. 1832. p. 30.

— — Mill. synops. p. 44.

*Labyrinthus quadridentata* Beck ind. p. 33.

Habitat in sylvis Americae centralis (Cuming).

1038<sup>a</sup>. *H. Tamsiana* Dunker.

T. mediocriter umbilicata, depresso conica, granulata, fusca, acute carinata; spira conoidea, vertice obtusiusculo; anfr. 5 subplani, ultimus basi vix convexiusculus, antice angulatim deflexus, ad aperturam constrictus; apertura subhorizontalis, auriformis, quadridentata; perist. tenue, marginibus lamina callosa, umbilici partem tegente et medio dentem linguiformem, intrantem emittente junctis, supero expanso, unidentato, basali reflexo, dentibus 2 fere aequalibus munito. — Diam. maj. 45, min. 44, alt. 7½ mill. (Coll. Dunk.)

*Helix Tamsiana* Dunk. in Zeitschr. f. Mal. 1847. p. 84.

Habitat prope Porto Cabello Venezuelae. Legit Dr. Tams.



1039. *H. auriculina* Pett.

T. umbilicata, orbiculata, carinata, utrinque convexa, granulato-striata, fulva, ad carinam lutescens; anfr. 5 planulati, ultimus subito deflexus, basi scrobiculatus; apertura subhorizontalis, auriformis, ringens, plicis 3 coarctata: una lamelliformi, profunde intrante ad parietem aperturalem, secunda dentiformi et tertia furcata in margine basali; perist. album, reflexum, marginibus ad umbilicum mediocrem, pervium junctis. — Diam. maj.  $24\frac{1}{2}$ , min. 18, alt. 10 mill. (Coll. Nr. 629.)

*Helix auriculina* Petit in Revue zool. 1840. p. 74.

— — Guérin mag. 1844. t. 33.

— — Chemn. ed. II. Helix N. 665. t. 105. f. 5—7.

Habitat in Guyana.

Obs. Peraffinis sequenti, nec non varietatibus nonnullis *H. bifurcatae* Dh., in hanc fere omnino transiens.

1040. *H. Leprieurii* Pett.

T. umbilicata, orbiculata, conoideo-depressa, fulva, subcarinata: carina albicante; anfr. 5 vix convexiusculi, ultimus antice subito deflexus, basi scrobiculatus; umbilicus mediocris; apertura angustissima, subhorizontalis, subauriformis; perist. subincrassatum, album, marginibus lamella erecta, umbilicum semioccultante, aliamque angulatim longe intrantem emittente junctis, supero expanso, basali sinuoso, reflexo, tuberculo dentiformi et juxta carinam dente valido, geminato instructo. — Diam. maj. 24, min. 24, alt. 14 mill. (Mus. Cuming.)

*Helix Leprieurii* Petit in Revue zool. 1840. p. 74.

— — Guérin mag. 1844. t. 32.

Habitat in Guyana.

Obs. Differt a praecedente spira magis elevata, apertura transverse elongata, antice canaliculata et perist. sinuoso valide dentato.

\* \* \*

1041. *H. Oreas* Koch.

T. umbilicata, depressa, angulata, striata et minutissime granulosa, castanea; spira vix elevata; anfr. 5 planiusculi, ultimus antice rotundatus, ad aperturam constrictus, basi inflatus; apertura perobliqua, semiovalis, bidentata, intus livida; perist. album, reflexum, marginibus callo albo funiculato junctis, supero arcuato, basali strictiusculo, ambobus dente acuto separatis, dente altero in pariete aperturali illi opposito. — Diam. maj. 57, min. 46, alt. 26 mill. (Coll. Nr. 630.)

*Helix Oreas* Koch in Phil. Icon. I. 7. p. 454. Helix t. 5. f. 2.

*Helix Oreas Chemn.* ed. II. *Helix* N. 449. t. 75. f. 1—3.

Habitat in vallibus elevatis reipublicae Novae Granadae (mont. Quendeu).

Obs. Similis *H. calomorphae* Jonas (Nr. 823.) imperforatae:

1042. *H. triodonta* Orbigny. †

T. orbiculato-convexa, carinata, umbilicata, crassa, laevigata, fusco-rubescens; spira brevis, obtusa; anfr. 5; apertura subrotunda, peristomata, tridentata, albida, intus fusca; labrum crassum, reflexum. (O.) — Diam. maj. 44, min. 36, alt. 26 mill. (ex ic.)

*Helix triodonta* (Helicodonta) Orb. syn. p. 3.

— — Orb. voy. p. 234. t. 24. f. 1—3.

Habitat prope Guayaquil Columbiae.

1043. *H. subcastanea* Pfr.

T. umbilicata, orbiculato-convexa, subcastanea, minutissime granulata, spira subelata; anfr.  $5\frac{1}{2}$  vix convexiusculi, ultimus angulatus, antice subito deflexus, basi inflatus, ad aperturam constrictus et scrobiculatus; umbilicus mediocris; apertura perobliqua, auricularis; perist. album, incrassatum, marginibus callo tenui junctis, dextro arcuato, basali strictiusculo, denticulato, ambobus dente magno intrante separatis. — Diam. maj. 47, min. 34, alt. 24 mill. (Mus. Cuming.)

*Carocolla globosa* Brod. in Proc. Zool. Soc. 1832. p. 30.

— — Müll. synopsis. p. 13.

*Helix subcastanea* Pfr. Symb. II. p. 103.

Habitat in sylvis insulae Tumaco Columbiae occidentalis (Cuming).

Obs. Nomen mutandum erat ob *H. globosam* Sow. foss.

\* \* \*

1044. *H. soror* Férussac.

T. umbilicata, depressa, lenticularis, acute carinata, oblique striata, granulata, violaceo-fusca, medio late albido-cingulata; anfr.  $4\frac{1}{2}$  planulati, ultimus antice deflexus, basi vix convexus, antice scrobiculatus; apertura subhorizontalis, elliptica; perist. subincrassatum, marginibus callo junctis, supero sinuoso, expanso, basali reflexo, umbilicum mediocrem semitegente, dentibus 4 aequaliter distantibus, lamelliformibus, intrantibus armato. — Diam. maj. 32, min. 28, alt. 14 mill. (Coll. Nr. 634.)

*Helix soror* (Helicodonta) Fér. pr. 118. Hist. t. 54. f. 4.

— — Pfr. Symb. III. p. 80.

— — Chemn. ed. II. *Helix* N. 469. t. 78. f. 3. 4.

*Carocolla soror* Wood suppl. t. 7. f. 51.

— *quadridentata* Mke cat. Malsb. p. 5.

β. Magis depressa, acutius carinata, unicolor fulvescens: diam. maj. 42. min. 37, alt. 15 mill. (ex ic.)

*Helix soror* var. *Fér.* t. 54 A. f. 1—3.

Habitat in insula Jamaica.

#### 1045. *H. Schroeteriana* Pfr.

T. umbilicata, depressa, lenticularis, acute carinata, solida, obsolete granulata, luteola, utrinque late rufo-fasciata; spira sub-elevata; anfr. 5 planulati, ultimus antice deflexus, basi inflatus, antice profunde scrobiculatus; apertura subhorizontalis, elliptica; perist. incrassatum, late expansum, reflexum, fusco-carneum, marginibus callo junctis, supero leviter arcuato, basali dilatato. umbilicum angustum semitegente, intus 3—4 dentato: dentibus 2 majoribus basi junctis, 1—2 minoribus prope columellam. — Diam. maj. 31, min. 27, alt. 14 mill. (Coll. Nr. 632.)

*Helix Schroeteriana* Pfr. in Proc. Zool. Soc. 1845. p. 44.

— — *Phil. Icon.* II. 15. p. 185. *Helix* t. 9. f. 7.

— — *Chemn.* ed. II. *Helix* N. 468. t. 78. f. 5. 6.

Habitat . . . ?

Obs. Dentium dispositione persimilis *H. Martinianae* (Nr 820.) et *tridentinae* (Nr. 996.), ab illa anfractu ultimo deflexo et umbilico aperto, a *tridentina* carina acuta facile distinguenda.

#### 1046. *H. Listeri* (*Carocolla*) Gray.

T. umbilicata, depressa, irregularis, lenticularis, superne convexior, acute carinata, striis confertissimis obsoletis notata, albida, maculis irregularibus, brunneis, fasciisque interruptis rufis ornata; anfr. 4½ planiusculi, ultimus antice subito deflexus; umbilicus mediocris, pervius; apertura late elliptica; perist. simplex, reflexum, marginibus callo funiculato junctis, basali unidentato. — R. a. = 4 : 7. — Diam. maj. 42, min. 32, alt. 13 mill. (Coll. Nr. 633.)

*Carocolla Listeri* Gray in Ann. of Phil. New series IX. p. 412.

— — *Reeve* Conch. syst. II. t. 468. f. 44. 42.

*Helix Listeri* (*Carocolla*) *Brod.* in Proc. Zool. Soc. 1844. p. 37.

— — *Pfr.* Symb. II. p. 34.

— — *Chemn.* ed. II. *Helix* N. 666. t. 405. f. 9—15.

— *Listeriana* Wood suppl. t. 8. f. 64.

— . . . *Fér.* hist. t. 62 A. f. 4—4.

*Lister* t. 66. f. 64. imperfect.

β. Spira elatiore: diam. maj. 32, min. 26, alt. 13 mill. (Spec.)

Habitat in insulis Philippinis: Negros, Luban, Luzon (Cuming).

Obs. Variat magnitudine et forma. In nonnullis anfractus ultimus basi irregulariter malleatus et juxta aperturam substrangulatus est.

1047. *H. rota* (Carocolla) Broderip.

T. umbilicata, superne planiuscula, basi inflata, carinata, irregulariter costata (costis basalibus validioribus, obtusis), sordide albida, fasciis angustis castaneis, 2 supra et 4 infra carinam acutam, tuberculis albis undulatam, ornata; anfr.  $4\frac{1}{2}$  plani, ultimus antice subito deflexus, subtus constrictus; umbilicus medius, pervius; apertura lanceolata; perist. simplex, late expansum, marginibus solutis, junctis, basali unidentato. — R. a. = 2 : 3. — Diam. maj. 32, min. 26, alt. 44 mill. (Coll. Nr. 634.)

*Helix rota* (Carocolla) Brod. in Proc. Zool. Soc. 1844. p. 45.

— — Pfr. Symb. II. p. 38.

— — Chemn. ed. II. Helix N. 474. t. 78. f. 46—48.

*Carocolla rota* Reeve Conch. syst. II. t. 167. f. 4. 4.

*Gallina rota* Hartm. Gast. I. p. 497. t. 76.

Habitat in insula Siquijor Philippinarum (Cuming).

1048. *H. scrobiculata* Pfr.

T. umbilicata, lenticularis, tenuis, oblique rugosa, fulvido-albida, fusco-zonata, carinata, basi lineis minutissimis concentricis notata; spira parum elata, apice obtuso nitida, glabra; sutura linearis; anfr.  $4\frac{1}{2}$  convexiusculi, ultimus antice angulatim deflexus, basi prope aperturam gibboso-inflatus; carina subacuta; umbilicus angustus, pervius; apertura transverse pyriformis; perist. simplex, continuum, superne expansum, basi late reflexum, unidentatum: dente obtuso, extus scrobiculum formante. — R. a. = 7 : 40. — Diam. maj. 29, min. 23, alt. 44 mill. (Coll. Nr. 635.)

*Helix scrobiculata* Pfr. in Proc. Zool. Soc. 1842. p. 88.

— — Pfr. Symb. II. p. 38.

— — Phil. Icon. II. 45. p. 185. Helix t. 9. f. 6.

— — Chemn. ed. II. Helix N. 470. t. 78. f. 43—45.

Habitat in insula Bohol Philippinarum (Cuming).

Obs. Affinis praecedenti, spira elatiore, carina simplice, subacuta et costis deficientibus diversa.

1049. *H. Hartwegi* Pfr.

T. umbilicata, depressa, carinata, solida, striatula, fusca; spira vix elevata; anfr. 5 planulati, ultimus basi paulo convexior, antice non descendens; umbilicus angustus, pervius; apertura perobliqua, irregulariter subquadrata; perist. album, incrassatum, breviter reflexum, marginibus callo junctis, dextro sinuoso, ba-

sali subrecto, dilatato, introrsum calloso, dente unico interposito. — Diam. maj. 23, min.  $24\frac{1}{2}$ , alt. 42 mill. (Mus. Cuming.)

*Helix Hartwegi* Pfr. in Proc. Zool. Soc. 1845. p. 126.

Habitat circa «El Catamajia prope Loxa» reipublicae Aequatoris (Hartweg).

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#### 1050. *H. arcata* Lowe.

T. perforata, depressa, distincte et confertim costulata, pallide cornea, albo-marmorata, rufo-maculata et obsolete fasciata; spira vix convexa; anfr.  $5\frac{1}{2}$  planiusculi, ultimus carinatus, basi convexior, antice subito breviter deflexus; perforatio punctiformis; apertura perobliqua, lunato-circularis, dente oblique intrante, albo, calloso anfractus penultimi coarctata; perist. acutum, reflexum, intus albo-callosum, marginibus fere contiguis. — Diam. maj. 5, min.  $4\frac{1}{2}$ , alt.  $2\frac{3}{4}$  mill. (Coll. Nr. 636. Spec. Lowcan.)

*Helix arcata* Lowe Faun. Mader. p. 42. t. 5. f. 7. (auct.)

— — Lam. ed. Dh. 206. p. 126.

— — Chemn. ed. II. Helix N. 704. t. 112. f. 5—8.

Habitat in Maderae collibus aridis maritimis.

Obs. Cl. Deshayes speciei diam. 4—5 lin. ascribit, forsitan figura aucta deceptus?

#### §. 74.

#### 1051. *H. Spixiana* Pfr.

T. late umbilicata, orbiculato-convexa, costulato-striata, albida aut luteo-virens; anfr. 6—7 convexiusculi, lente accrescentes, ultimus non descendens; apertura vix obliqua, rotundato-lunaris; perist. brevissime reflexum, margine supero antrorsum arcuato, columellari brevi, dilatato. — Diam. maj. 34, min. 32, alt. 20 mill. (Coll. Nr. 637.)

*Helix Spixiana* Pfr. Symb. I. p. 40.

— — Chemn. ed. II. Helix N. 113. t. 19. f. 1—3.

— *perspectiva* Wagn. in Spix p. 24. Nec Say.

— *candida* Moric. Mém. Gen. IX. p. 43. t. 4. f. 1. Nec Gmel.

*Solarium candidum* Spix test. bras. t. 17. f. 3—5.

*Artemon candidus* Beck ind. p. 48.

β. Sculptura obsoleta, striis ad suturam modo conspicuis: diam. maj. 27, min. 24, alt. 14 mill. (Spec.)

Habitat in Brasiliae provinciis australioribus.

Obs. 1. Testae adultae saepe varicibus prominentibus, irregulariter dispositis munitae sunt, et reliquis quoque characteribus ad genus *Streptaxin* prope accedit.

Obs. 2. Nomen *H. candidae* servari non potest ob *H. candidam* Gmel., etsi haec species valde dubia vel plane ignota sit. (Conf. Nr. 4400.)

1052. *H. Wagneri* Pfr.

T. late umbilicata, depressa, superne confertim costulata, basi laevigata, nitida, diaphana, cereo-hyalina; spira vix convexiuscula; anfr. 6 vix convexiusculi, ultimus superne subdepressus, subangulatus; apertura perobliqua, subtriangulato-lunaris; perist. nitide album, breviter reflexum, margine basali levissime arcuato, supero antrorsum dilatato, late prominente. — Diam. maj. 20, min. 17, alt. 9 mill. (Coll. Nr. 638.)

*Helix Wagneri* Pfr. Symb. I. p. 40.

— — *Chemn.* ed. II. *Helix* N. 114. t. 19. f. 4—6.

— *Coffreana Moric.* Mém. Gen. (1841.) IX. p. 44. t. 4. f. 2. 3.

Habitat in Brasilia.

1053. *H. chinensis* Philippi.

T. latissime et profunde umbilicata, striata, nitida, subpellucida, superne pallide fulvescens, basi albida, epidermide tenui fugacissima induta; spira vix elevata, apice non obtusata; anfr. 8 convexi, lente accrescentes, ultimus priores paulo superans, basi vix latior; apertura parvula, obliqua, lunato-circularis; perist. album, sublabiatum, breviter reflexum, marginibus approximatis. — Diam. maj. 25, min. 22, alt. 12 mill. (Coll. Nr. 639.)

*Helix chinensis* Phil. Icon. II. 9. p. 1. *Helix* t. 6. f. 1.

— — *Chemn.* ed. II. *Helix* N. 115. t. 19. f. 7. 8.

Habitat in China: insula surea prope Nanking (Largilliert).

1054. *H. circulus* Pfr.

T. umbilicata, depressa, solida, ruguloso-striata, nitidula, alba; spira vix elevata, non obtusata; anfr. 5½ convexi, ultimus subangulatus, non descendens; umbilicus mediocris, pervius; apertura obliqua, parvula, lunato-circularis, intus callo circulari coarctata; perist. breviter expansum, marginibus conniventibus. — Diam. maj. 49, min. 46, alt. 9 mill. (Mus. Cuming.)

*Helix circulus* Pfr. Symb. III. p. 76.

— — *Chemn.* ed. II. *Helix* N. 116. t. 19. f. 9—11.

Habitat . . . ?

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1055. *H. polygyrata* Born.

T. latissime umbilicata, discoidea, superne planissima, subtus excavata, solida, striata, lineis minutis concentricis subdepressata, virenti-lutea, zonis latissimis nigricanti-rufis superne circumdata; anfr. 9 convexi, ultimus antice descendens, utrinque reliquis vix duplo latior; apertura perobliqua, lunato-rotundata;

perist. album, breviter reflexum, marginibus callo junctis. — Diam. maj. 46, min. 41, alt. 43 mill. (Coll. Nr. 640.)

*Helix polygyrata* Born test. p. 373. t. 44. f. 19. 20.

— — Chemn. IX. P. 2. p. 98. t. 127. f. 1123. 25.

— — (Helicella) Fér. pr. 194. Hist. t. 69 A. f. 7 — 9.  
t. 69 B. f. 5.

— — Lam. ed. Dh. 150. p. 98.

— — Desh. in Fér. hist. p. 4.

— — Moric. Mém. 3e suppl. p. 57. t. 5. f. 1 — 3.

— — Chemn. ed. II. Helix N. 568. t. 90. f. 1 — 3.

— *polygyra* Gmel. p. 3624. N. 233.

*Polygyra? polygyrata* Beck ind. p. 23.

Habitat in Brasilia.

Obs. Variat magnitudine. Specimina vidi paulo majora et multo minora. — Teste Moricand plicae dentiformes 3 — 5 in fundo anfractus ultimi, marginem nunquam attingentes, adsunt.

#### 1056. *H. helicycloides* Orbigny. †

T. umbilicata, orbiculato-concava, depressa, tenuis, subdiaphana, griseo-flavicans, striata, subtus sublaevigata; spira convexa, apice concavo; anfr. 10; apertura obliqua, semilunaris; labrum crassum, album. — Diam. 46, alt. 5 mill. (O.)

*Helix helicycloides* Orb. synopsis. p. 6.

— — Orb. voy. p. 246. t. 28. f. 4 — 4.

— — Desh. in Fér. hist. p. 40. t. 69 B. f. 3.

*Polygyra? helicycloides* Beck ind. p. 23.

Habitat in republica Boliviana.

#### §. 75.

#### 1057. *H. achatina* Gray.

T. sinistrorsa, latissime umbilicata, depressissima, discoidea, laevigata, superne rufa, albido maculata et flammata, basi pallida; spira plana, medio vix elevatiuscula; anfr. 6½ subplanulati, ultimus a latere subcompressus, antice subito deflexus; apertura subhorizontalis, oblongo-subcircularis; perist. fuscum, undique expansum et reflexum, marginibus lamina prominente, lamellam profunde intrantem emittente junctis. — Diam. maj. 34, min. 24. alt. 8½ mill. (Coll. Gray.)

*Helix achatina* Gray Mus.

— — Pfr. in Zeitschr. f. Mal. 1845. p. 86.

β. Minor: diam. maj. 23, min. 18, alt. 6 mill. (Coll. Nr. 644.)

*Helix achatina* Chemn. ed. II. Helix N. 398. t. 66. f. 28 — 30.

Habitat in America meridionali? (Gray.) Var. β specimina plura a Theod. Philippi prope Mergui imperii birmani lecta sunt.

1058. *H. refuga* Gould.

T. sinistrorsa, late umbilicata, subdiscoidea, superne plana, basi concava, solidula, oblique minute rugata et superne concentricè striata, alba, epidermide decidua, flavescenti-cornea induta; anfr.  $6\frac{1}{2}$  angusti, centrales laevigati, nitidi, ultimus antice perdeflexus, basi subangulatus; apertura perobliqua, lunaris; perist. breviter et abrupte reflexum, albo-callosum, marginibus lamina subelevata S-formi, medio lamellam profunde intrantem emittente junctis. — Diam. maj.  $47\frac{1}{2}$ , min.  $44\frac{1}{2}$ , alt. 6 mill. (Mus. Cuming.)

*Helix refuga* Gould in sched. Cuming.

— — *Phil. Icon.* III. 47. p. 2. *Helix* t. 40. f. 4.

— — *Chemn. ed.* II. *Helix* N. 399. t. 66. f. 24—23.

Habitat in imperio birmano Indiae orientalis.

Obs. Praecedenti peraffinis, attamen sculptura, anfractu ultimo non compresso, apertura non horizontali, perist. abrupte reflexo distinguenda videtur.

1059. *H. Rivolii* Deshayes.

T. latissime umbilicata, oblongo-discoidea, superne plana, costato-striata, rufa, basi laevigata, nitidissima, olivacea; anfr. 5 convexiusculi, angusti, utrinque subaequales, ultimus a latere compressus, basi inflatus, antice deflexus; apertura perobliqua, obtuse obcordata, antrorsum dilatata, subtubaeformis, intus margaritacea; perist. incrassatum, reflexum, marginibus callo albedo, lamellam validam intrantem emittente junctis; fundus aperturae lamellis 3—4 subparallelis coarctatus. — Diam. maj. 23, min.  $16\frac{1}{2}$ , alt. 7 mill. (Mus. Cuming. et Coll. Nr. 644.)

*Helix Rivolii* Desh. in Enc. méth. II. p. 208. N. 2.

— — *Desh.* in *Fér. hist.* p. 7.

— *carabinata* (Helicodonta) *Fér.* pr. 409. Hist. t. 54 B. f. 3.

— — *Lam. ed.* Dh. 183. p. 446.

— — *Guérin Iconogr. du règne an. Moll.* t. 6. f. 6.

— — *Deless. recueil* t. 26. f. 8.

— *caribanata* Gray in Ann. of Phil. New ser. IX. p. 440.

*Polygyra? carabinata* Beck ind. p. 23.

Habitat in insula Ceylon (Templeton in Mus. Cuming.), in India orientali, Ava (Beck).

1060. *H. pollodonta* Orbigny. †

T. umbilicata, orbiculata, depressa, crassa, regulariter striata, albida; spira subplana; anfr. 7; apertura obliqua, peristomata, ovalis, unidentata, intus continuata et primae quadrantis spirac aliis 4 dentibus connexa; labrum crassum, reflexum. — Diam. 9, alt. 3 mill. (O.)

*Helix pollodonta* (Helicodonta) Orb. syn. p. 3.



*Helix pollodonta* Orb. voy. p. 236. t. 23. f. 9—13.

— — *Desh. in Fér. hist.* p. 8. t. 69 C. f. 2—6.

Habitat in Boliviae provincia Lagunensi.

1061. ***H. sculpturata* Gray.**

T. late umbilicata, depressa, discoidea, concentrice confertim costata, interstitiis reticulato-striatis, albida; spira planulata; anfr. 5 convexiusculi, ultimus antice basi constrictus; apertura circularis, lamella intrante anfractus penultimi et 2 marginis dextri coarctata; perist. simplex, marginibus lamina porrecta callosa junctis, supero subexpanso, basali reflexo. — Diam. maj. 8, min. 7, alt.  $2\frac{1}{2}$  mill. (Mus. Brit.)

*Helix sculpturata* Gray in Mus. Brit.

— — *Pfr. in Zeitschr. f. Mal.* 1845. p. 86.

Habitat circa Damarha Africae meridionalis (Alexander).

§. 76.

1062. ***H. heligmoidea* Orbigny.**

T. latissime umbilicata, depressissima, discoidea, laevigata, luteo-cornea; spira planissima, medio subimpressa; anfr. 9 convexiusculi, utrinque aequales; apertura oblique semiovalis, sinuosa; perist. breviter reflexum, marginibus callo valido, dentiformi, triquetro junctis, supero medio impresso, intus unidentato. — Diam. maj. 13, min.  $11\frac{1}{2}$ , alt.  $3\frac{1}{2}$  mill. (Mus. Cuming.).

*Helix heligmoida* Orb. synops. p. 2.

— *heligmoidea* Orb. voy. p. 237. t. 23. f. 4—4.

— — *Desh. in Fér. hist.* p. 5. t. 72. f. 12.

*Polygyra heligmoidea* Beck ind. p. 23.

Habitat in Columbiae prov. Guayaquil.

1063. ***H. cereolus* Mühlfeldt.**

T. late umbilicata, orbiculata, cornea, oblique costulata; spira planata; anfr. 7—8 superne angustissimi, subaequales, penultimus superne immersus, omnes basi conspicui, inaequaliter prominentes, ultimus superne carinatus; apertura reniformis; perist. simplex, angulatim reflexum, marginibus lamella dentiformi junctis. — Diam. maj.  $8\frac{1}{2}$ , min.  $7\frac{1}{2}$ , alt. 3 mill. (Coll. Nr. 642.)

*Helix cereolus* Mlf. in Berl. Mag. VIII. 1818. p. 41. t. 2. f. 18.

— — *Chemn. ed. II. Helix* N. 392. t. 66. f. 4—3.

— *septemvolva* Fér. hist. t. 54. f. 6.

— — *Wood suppl.* t. 7. f. 14.

— *planorbula* Lam. 86. p. 89. ed. Dh. p. 67.

— — *Deless. recueil* t. 26. f. 3.

*Helix polygyrata* Binn. in Bost. journ. III. p. 394. t. 49. f. 4.

*Polygyra septemvolva* Say in Philad. journ. I. P. 2. 1818. p. 278. \*)

— — Sow. Conch. Man. ed. II. p. 234. f. 275. 276?

— *planorbula* Beck ind. p. 23.

Habitat in America boreali: Georgia, Florida.

1064. *H. volvox* Parreyss.

T. umbilicata, orbiculato-convexa, tenuis, rufo-cornea, pel-lucida, regulariter costulato-striata; spira brevissima, convexa; anfr. 7 convexi, regulariter accrescentes, ultimus reliquis superne vix latior, angulatus, infra angulum inflatus, striatus, nitidus; umbilicus latus, regularis, anfractu ultimo latissimo, reliquis regulariter decrescentibus; apertura majuscula, reniformis; perist. intus callosum, reflexum, marginibus callo brevi, triangulari, den-tiformi junctis. — Diam. maj. 9, min. 8, alt. 4 mill. (Coll. Nr. 644.)

*Helix volvox* Parr. in sched.

— — Pfr. Symb. III. p. 80.

— — Chemn. ed. II. Helix N. 393. t. 66. f. 4—6.!

*Polygyra septemvolva* Beck ind. p. 23?

Habitat in America boreali: Georgia, Florida.

Obs. Hanc speciem, a praecedente toto coelo diversam, saepius ex Ame-rica nomine *H. septemvolvae* Say accepimus.

1065. *H. microdonta* Deshayes.

T. umbilicata, orbiculato-plana, cornea vel pallide rufescens, superne plana, oblique et argute striata, subtus convexa, tener-rime striata, nitida, maculis opacis radiantibus notata, umbilico infundibuliformi excavata; anfr. 6, ultimus ad aperturam gibbus; apertura subtriangularis; perist. subincrassatum, reflexiusculum, marginibus dente calloso, triangulari junctis. — Diam. maj. 9, min. 8, alt. 3½ mill. (Coll. Nr. 645.)

*Helix microdonta* Desh. in Fér. hist. p. 6. t. 72. f. 43. \*\*)

— — Chemn. ed. II. Helix N. 395. t. 66. f. 40—42.

— *plana* Dunker in Phil. Icon. I. 3. p. 54. t. 3. f. 44.

Habitat in insulis Bermudis et in Texas (teste coll. Menkeana).

Obs. Differt a sequente spira plana, anfractibus subtus magis evolutis, minus inflatis, umbilico extus dilatato, perist. subincrassato, dente majore pa-rietis aperturalis.

\*) Verba descriptionis Sayanae: «beneath the four exterior volutions equally prominent, transverse diameters equal to those of the upper surface; umbilicus central, moderate, attenuated to the apex so as to exhibit the remain-ing volutions», ad speciem nostram non omnino quadrant.

\*\*) T. discoidea, planulata, albo-grisea, flammulis obliquis fuscis subru-bescentibusve ornata; superne spira depressissima, subtus profunde lateque in ambitu umbilicata, tenuissime et regulariter striata; apertura obliqua, mar-ginata, ovato-semilunari; labro dente obliquo, minimo praedito. (Desh. l. c.)

1066. *H. paludosa* Pfr.

T. umbilicata, orbiculato-convexiuscula, corneo-fusca, tenuis, nitida, superne oblique rugosa, subtus substriata; anfr. 5 supra planulati, basi convexi, ultimus subangulatus; umbilicus infundibuliformis; apertura obliqua, lunaris; perist. simplex, reflexum, intus sublabiatus; paries aperturalis dente parvulo munitus. — Diam. maj. 10, min. 9, alt.  $4\frac{1}{2}$  mill. (Coll. Nr. 646.)

*Helix paludosa* Pfr. in Wieg. Arch. 1839. I. p. 350.

— — Phil. Icon. I. 3. p. 50. t. 3. f. 9.

— — Chemn. ed. II. Helix N. 394. t. 66. f. 7—9.

— *lingulata* (Fér.) Desh. in Fér. hist. p. 6. t. 69 D. f. 1.

— *Ramonis* Orb. moll. cub. I. p. 142. t. 8. f. 1—4.

— *Bardenslehtii* Villa disp. syst. p. 15?

*Polygyra insularum* Beck ind. p. 23?

β. Edentula: dente in pariete aperturali nullo.

Habitat in insula Cuba, ubi in palude horti botanici Havanensis ipse legi.

1067. *H. Dorfeulleana* (Polygyra) Lea.

T. late umbilicata, nitida, rufo-cornea, superne brevissime conoidea, plicato-striata, inferne subinflata, laevigata; anfr.  $5\frac{1}{2}$  convexiusculi, ultimus antice vix deflexus; apertura majuscula, tridentata: dente 1 lato, subquadrangulati, oblique intrante in pariete aperturali; perist. reflexum, album, dentibus 2 marginalibus intus munitum. — Diam. maj. 9, min. 8, alt.  $4\frac{3}{4}$  mill. (Coll. Nr. 647.)

*Polygyra Dorfeulleana* Lea obs. II. p. 107. t. 24. f. 118.

*Helix Dorfeulleana* Chemn. ed. II. Helix N. 391. t. 65. f. 25—28.

— . . . . Fér. hist. t. 69 D. f. 3?

Habitat in America boreali: Ohio (? Lea), Honduras (Dyson in Mus. Cuming).

Obs. Differt ab *H. texasiana*, cui similis, umbilico regulari (anfractu penultimo angusto, reliquis regulariter decrescentibus, vix conspicuis), dente quadrangulati parietis aperturalis, etc.

1068. *H. cheilostropha* Orbigny. †

T. umbilicata, orbiculata, depressissima, striata, tenuis, albido-fulva; spira planissima, horizontalis; apertura triangulata, personata, tridentata; labrum crassum, reflexum. — Diam. 6, alt. 3 mill. (O.)

*Helix cheilostropha* (Helicodonta) Orb. syn. p. 3.

— — Orb. voy. p. 235. t. 23. f. 5—8.

— — Desh. in Fér. hist. p. 7. t. 69 D. f. 5.

Habitat in Boliviae prov. Santa Cruz de la Sierra.

1009. *H. diodonta* Mühlb. ~~feldt~~.

T. late umbilicata, discoidea, minutim granulato-striata, corneo-fusca; anfr.  $4\frac{1}{2}$  vix convexiusculi, ultimus subcarinatus, antice deflexus, ad aperturam constrictus, superne impressus; apertura subhorizontalis, panduraeformis; perist. acutum, reflexum, rubicundum, dentibus 2 oppositis in margine supero et infero munitum. — Diam. maj.  $4\frac{1}{2}$ , min.  $9\frac{1}{2}$ , alt. 4 mill. (Coll. Nr. 648.)

*Helix diodonta* Mf. in Mus. Caes. Vindob.

— — (Helicodonta) Fér. hist. t. 51 A. f. 4.

— — Rossm. I. p. 69. f. 49.

— — Lam. ed. Dh. 184. p. 416.

— — Chemn. ed. II. Helix N. 375. t. 64. f. 4—6.

*Vortex diodonta* Beck ind. p. 29.

*Gonostoma diodonta* Held in Isis 1837. p. 245.

Habitat in Banatu prope Mehadia.

1070. *H. triaria* Frivaldsky.

T. perspective umbilicata, parva, depressa, cornea, eleganter costulata; spira convexa, obtusiuscula; anfr. 6 convexiusculi, lente accrescentes, ultimus superne angulatus, subtus attenuatus; apertura perobliqua, sinuosa; perist. reflexum, labiatum, margine exteriore repando, intus unidentato. — Diam. maj. 5, min.  $4\frac{1}{2}$ , alt.  $3\frac{1}{2}$  mill. (Coll. Nr. 649.)

*Helix triaria* (Friv.) Rossm. X. p. 43. f. 644.

— — Chemn. ed. II. Helix N. 396. t. 66. f. 43—46.

— *Ocskayi Stentz* in sched.

Habitat in Banatu Hungariae.

## §. 77.

1071. *H. lusitana* Pfr.

T. umbilicata, discoidea, fusca, suboblique confertim costulata; spira plana; anfr.  $5\frac{1}{2}$ , exteriores praecedentibus duplo latiores, ultimus antice non descendens; umbilicus mediocris, pervius; apertura lunaris; perist. album, angulatim reflexum, margine dextro sinuoso, columellari arcuato. — Diam. maj. 45, min.  $43\frac{1}{2}$ , alt. 6 mill. (Coll. Nr. 650.)

*Helix lusitana* Pfr. Symb. I. p. 44.

— — Phil. Icon. I. 3. p. 50. t. 3. f. 8.

— — Morelet moll. du Port. p. 55. t. 6. f. 4.

— — Chemn. ed. II. Helix N. 374. t. 64. f. 40—42.

Habitat in Lusitania, prope Oporto (Fokkes), in montibus « du Gérez » (Morelet).

Obs. Hic conf. *H. circulus* Nr. 1054.

1072. *H. auridens* Rang.

T. anguste umbilicata, depressa, supra planiuscula, basi convexa, nigro-fusca, striata, pilis rigidis, brevibus, erectis, distantibus obsita; anfr.  $4\frac{1}{2}$  convexi, rapide accrescentes, ultimus sensim descendens; apertura obliqua, subangulosa; perist. fusco-purpureum, reflexum, margine supero arcuato, dextro rectiusculo, intus dente aureo munito, basali subrecto, dente altero minuto, saepe deficiente, prope umbilicum instructo. — Diam. maj.  $15\frac{1}{2}$ , min. 13, alt. 8 mill. (Coll. Nr. 651.)

*Helix auridens* Rang in Guérin mag. 1834. t. 49.

— — Lam. ed. Dh. 247. p. 131.

— — Chemn. ed. II. Helix N. 373. t. 64. f. 1—3.

— . . . Fér. hist. t. 69 K. f. 8—12.

Habitat in insulae Martinique monte « Pelée ».

1073. *H. tridentata* Say.

T. umbilicata, orbiculato-depressa, confertim costulato-striata, corneo-lutea vel fuscescens; spira brevissima; anfr.  $5\frac{1}{2}$  convexiusculi, ultimus antice vix descendens; apertura lunaris, subtriangularis; perist. reflexum, album, intus callosum, marginibus conniventibus, callo tenui, dentem linguiformem, intrantem emittente junctis, dextro et basali unidentatis: dentibus inaequalibus, in ipso margine calli positis. — Diam. maj. 16, min. 14, alt. 8 mill. (Coll. Nr. 652.)

*Helix tridentata* Say in Nichols. Enc.; art. Conch.

— — (Helicodonta) Fér. pr. 105. Hist. t. 51. f. 3.

— — Wood suppl. t. 7. f. 11.

— — Lam. ed. Dh. 482. p. 115.

— — Binn. in Bost. journ. III. p. 382. t. 47. t. 48. f. 1. 2.

— — Gould report p. 173. f. 115.

— — Chemn. ed. II. Helix p. 84. N. 55. t. 40. f. 7. 8.

*Tridopsis lunula* Rafn. (teste Fér.)

— — et *tridentata* Beck ind. p. 22.

Lister t. 92. f. 92.

β. Minor: diam. maj. 14, min. 12, alt.  $6\frac{1}{2}$  mill. (Spec.)

Habitat in America boreali: Canada, Pennsylvania etc.

1074. *H. fallax* Say.

T. umbilicata, depresso-globosa, costulato-striata, corneo-lutea; spira convexa; anfr. 6 convexiusculi, ultimus antice deflexus, constrictus; apertura trisinuosa, dente parietis aperturalis magno, linguiformi, obliquo, arcuatim intrante coarctata; perist. reflexum, intus callosum, album, bidentatum: dente superiore

introrsum flexo, a margine remoto, altero subbasali. — Diam. maj. 43, min. 44, alt.  $7\frac{1}{2}$  mill. (Coll. Nr. 653.)

*Helix fallax* Say in Philad. journ. V. p. 119.

— — Chemn. ed. II. Helix N. 376. t. 64. f. 7—9.

— *tridentata* var. Binn. in Bost. journ. III. p. 382. t. 18. f. 3.

$\beta$ . Depressior: diam. 43, alt. 6 mill.

Habitat in Virginia et prope Philadelphia; var.  $\beta$  in Texas (coll. Menk.).

Obs. Differt a praecedente forma magis globulosa, umbilico angustiore, apertura magis coarctata et dentium inaequalium positione.

#### 1075. *H. obvolvata* MILLER.

T. umbilicata, orbiculata, utrinque plana, brunnea, opaca, pilosa; spira medio concava; anfr. 6 angusti, convexiusculi, penultimus prominulus, ultimus compressus, antice vix descendens, scrobiculatus; apertura obtuse triangularis; perist. reflexum, intus lilacinum, margine dextro et basali obtuse unidentatis. — Diam. maj. 43, min. 42, alt. 6 mill. (Coll. Nr. 654.)

*Helix obvolvata* Müll. verm. II. p. 27. N. 229.

— — (Helicodonta) Fér. pr. 107. Hist. t. 51. f. 4.

— — Lam. 76. p. 86. ed. Dh. p. 63.

— — C. Pfr. I. p. 41. t. 2. f. 28.

— — Blainv. Malac. p. 464. t. 40. f. 7.

— — Rossm. I. p. 69. f. 21.

— — Desh. in Fér. hist. p. 16.

— — Gray Man. p. 439. t. 44. f. 431.

— — Chemn. ed. II. Helix N. 377. t. 64. f. 43—45.

— *trigonophora* Lam. in Journ. d'hist. nat. t. 42. f. 2.

— *bilabiata* Oliv. Adriat. p. 477.

— *holosericea* Gmel. 186. p. 3644.

*Helicodonta obvolvata* Risso IV. p. 65. N. 444.

*Trigonostoma obvolutum* Fitzing. syst. Verz. p. 98.

— — Hartm. Gast. I. p. 44. t. 6.

*Vortex obvolvata* Beck ind. p. 29.

*Gonostoma obvolutum* Held in Isis 1837. p. 915.

Habitat in Europae borealis et mediae terris plerisque.

Obs. Huc referenda *H. parvula* Hartm. olim.

#### 1076. *H. holoserica* Studer.

T. umbilicata, orbiculata, depressa, subtus convexa, cornea, tenuis, holoserica; anfr.  $4\frac{1}{2}$  planulati, ultimus antice constrictus, scrobiculatus; apertura trisinuata; perist. latum, angulatim reflexum, labiatum, valide bidentatum. — Diam. maj. 44, min. 40, alt.  $5\frac{1}{2}$  mill. (Coll. Nr. 655.)

*Helix holoserica* Stud. Verz. p. 46.

*Helix holoserica* Sturm Fauna VI. Heft 6. Taf. 10.

— — (Helicodonta) Fér. pr. 106. Hist. t. 54. f. 3.

— — Rossm. I. p. 69. f. 20.

— — Lam. ed. Dh. 125. p. 86.

— — Desh. in Fér. hist. p. 17.

— — Chemn. ed. II. Helix N. 378. t. 64. f. 22—24.

— *obvoluta* Dillwyn p. p.

*Trigonostoma holosericum* Fitzing. syst. Verz. p. 97.

— — Hartm. Gast. I. p. 17. t. 7.

*Vortex holosericea* Beck ind. p. 29.

*Gonostoma holosericum* Held in Isis 1837. p. 915.

$\beta$ . Major, anfr. 5: diam. maj. 13, min.  $11\frac{1}{2}$ , alt. 6 mill. (Spec.)

Habitat in alpinis Helvetiae, Austriae, Styriae et Carinthiae (e. gr. in cacumine montis Ovir ad 6700' supra mare ipse legi!), in Silesia (Scholtz); var.  $\beta$  in fageto elevato prope Tharand Saxoniae frequens (Rm.).

#### 1077. *H. angigyra* Ziegler.

T. umbilicata, orbiculata, superne concava, subtus plana, pallide cornea, nuda, superne minutissime punctulata et striolata; anfr. 6 convexi, ultimus compressus, antice gibbus, subito deflexus; apertura perobliqua, subtriangulato-lunaris; perist. reflexum, albido-labiatum. — Diam. maj. 44, min. 9, alt.  $4\frac{1}{2}$  mill. (Coll. Nr. 656.)

*Helix angigyra* Zgl. Mus. Rossm. I. p. 70. f. 21\*.

— — Chemn. ed. II. Helix N. 379. t. 64. f. 16—18.

— *Stentzii* Parts in Mus. Caes. Vindob.

*Vortex angigyra* Beck p. 29.

*Gonostoma angigyrum* Held in Isis 1837. p. 915.

*Trigonostoma angigyrum* Hartm. Gast. I. p. 12. t. 5.

Habitat in Italia boreali et in Helvetia: ad Castagnole prope Lugano (Mousson, Htm.).

#### 1078. *H. gyria* Roth. †

T. aperte umbilicata, orbiculata, valde depressa, supra plana, radiatim striata; spira demersa; anfr. 7 angusti, subaequales; basis convexiuscula, circa umbilicum angulata, laevis, tota nuda; apertura semilunaris; perist. reflexum; labium parvum. — Lat.  $6\frac{1}{2}$ , alt.  $3\frac{3}{4}$  lin. (R.) — Diam. maj. 46, min. 44, alt.  $6\frac{1}{2}$  mill. (ex ic.)

*Helix gyria* Roth diss. p. 16. t. 4. f. 17. 18.

Habitat ad Cacamò Cariae.

Obs. \*Helici contortae Zgl. Rm. proxima; excellit tamen eo, quod spira non emergatur, immo recedat; quod basis minus complanata in angulum descendat; quod nullum pilorum et carinae vestigium inveniat; denique magnitudine multo et laudatam speciem et alias affines (obvolutam, angigyram) superat. (Roth l. c.)

1079. *H. plectostoma* Benson.

T. umbilicata, sinistrorsa, depresso-conoidea, subtus tumida, albida, epidermide cornea, decidua induta; spira exsertiuscula; anfr. 6 supra planati, radiatim plicati, lineis elevatis, confertis decussati, ultimus superne angulatus, lineis paucis elevatis infra angulum notatus; apertura lunaris, dente triangulari parietis aperturalis, saepe obsoletiore, coarctata; umbilicus mediooris, subcylindricus, pervius; perist. album, breviter angulatim reflexum, marginibus callo junctis, supero antrorsum arcuato-dilatato. — Diam. maj. 9, min. 8, alt.  $4\frac{1}{2}$  mill. (Coll. Nr. 657.)

*Helix plectostoma* Bens. in Journ. As. Soc. V. p. 351. \*)

— — Pfr. Symb. III. p. 80.

— — Chemn. ed. II. *Helix* N. 380. t. 64. f. 19—21.

Habitat in regione septentrionali Bengaliae.

1080. *H. corcyrensis* Partsch.

T. aperte umbilicata, orbiculato-depressa, arctispira, supra costulato-striata, cornea, hispida; anfr. 7 convexiusculi, ultimus superne obtuse angulatus, subtus convexus, antice gibbus, deflexus; apertura parum obliqua, angusta, lunaris; perist. flexuosum, albo-labiatum, reflexum. — Diam. maj. 44, min.  $9\frac{1}{2}$ , alt. 5 mill. (Coll. Nr. 658.)

*Helix corcyrensis* Partsch in Mus. Caes. Vindob.

— — Desh. in *Fér. hist.* p. 21. t. 69 E. f. 4—5.

— — Chemn. ed. II. *Helix* N. 75. t. 16. f. 23. 24.

— *contorta* Zgl. Mus. Nec *Fér.*

— — Rossm. VIII. p. 40. f. 538.

— *torsa* Zgl. olim.

— *barbata* a *Fér. hist.* t. 66. f. 3?

*Caracollina corcyrensis* Beck ind. p. 28.

β. Minor, apertura coarctata, labro crassiore:

*Helix girva* Friv. in sched.

γ. Major, anfr. 8: diam. maj. 43, min.  $11\frac{1}{2}$ , alt. 6 mill. (Coll. Roemer.)

Habitat in insula Corfu, var. β in Turcia, γ in ins. Lesina Dalmatiae.

1081. *H. canaliculata* Anton. †

T. aperte umbilicata, orbiculato-convexa, dense striata, griseo-fusca; spira subelata; anfr. 6 angusti, ultimus praecedente

\*) T. reversa, depresso-conoidea, subtus tumida; spira exsertiuscula; anfr. 5 supra planati, radiatim plicati, rugis transversis decussati, ultimus angulatus; angulo subtus marginato; apertura lunata, plica (ut in *H. personata*) interdum inconspicua, ultimo anfractui adhaerente; umbilicus profundus, anfractus plerisque exhibens. — Diam. 0. 35 paulo plus. — Similis *H. personatae* et *corcyrensi*. (Bens. l. c.)



vix latior, superne obtuse carinatus; apertura subcompressa, latior, quam alta; perist. reflexum, depressum, intus callosum, crassum, albidum, canali angusto cinctum. — Diam. 4, alt. 2 lin. (A.)

*Helix canalifera* Ant. Verz. p. 39. N. 4427.

— *ambliostoma* Parr. in sched.

Habitat in insula Corfu.

Obs. «Differt ab *H. coreyrensi* spira elatiore, carina plana, apertura angustiore et canali prope labrum». (Ant.) — An nihilominus ejus varietas?

#### 1082. *H. Hindsii* Pfr.

T. anguste umbilicata, depressa, subtiliter striata, corneolutescens, diaphana, nitida; spira parum elevata; anfr. 5 planiusculi, ultimus basi convexior, antice superne deflexus, subtus constrictus; umbilicus pervius; apertura perobliqua, lunaris, ringens; perist. breviter reflexum, marginibus conniventibus, callo triangulari, dentiformi, bicruri junctis, dextro lamella subverticali, basali dentibus 2 acutis munito. — Diam. maj. 8, min. 7, alt.  $4\frac{1}{2}$  mill. (Coll. Nr. 659.)

*Helix Hindsii* Pfr. in Proc. Zool. Soc. 1845. p. 432.

— — *Chemn.* ed. II. *Helix* N. 386. t. 65. f. 7. 8.

Habitat in Mexico (Hinds), Texas (Sowerby).

Obs. Dentium formatione persimilis *H. ventrosulae* (conf. Nr. 1085.); differt magnitudine, umbilico regulari, pervio, anfractibus arctioribus, ultimo minus inflato, haud gibbo, etc.

#### 1082\*. *H. loricata* Gould. †

T. parva, depressa, flavo-viridis, arcte umbilicata, squamulis crescentiformibus undique loricata, subtus convexa; anfr.  $5\frac{1}{2}$ , convexusculi, arcte voluti, ultimus superne ad peripheriam subangulatus; apertura contracta, lunata, trilobata, dente laterali, dente basali et dente columellari lamelliformi ringens; perist. album, reflexum, callo copioso conjunctum. — Lat.  $\frac{1}{4}$ , alt.  $\frac{3}{10}$  poll. (G.)

*Helix loricata* Gould 1846. Exped. shells p. 47.

Habitat in California.

Obs. «Forma similis *H. inflectae*, sed minor, dentibus minus distinctus».

#### 1083. *H. labyrinthica* Say.

T. umbilicata, conica, costulata, saturate rufa, subtus pallidior, laevigata, nitida; spira obtusa; anfr. 5—6 convexusculi;

umbilicus angustus, pervius; apertura vix obliqua, lunaris; perist. breviter reflexum, simplex; paries aperturalis dente majusculo, lamelliformi, intrante et linea elevata, interdum obsoleta prope columellam munitus. — Diam. maj.  $2\frac{1}{2}$ , alt.  $4\frac{1}{2}$  mill. (Coll. Nr. 660.)

*Helix labyrinthica* Say in Philad. journ. I. P. 4. p. 124.

— — (Helicodonta) Fér. pr. 444. Hist. t. 54 B. f. 4.

— — Binn. in Bost. journ. III. p. 393. t. 26. f. 4.

— — Gould report p. 184. f. 106.

— — Pfr. Symb. II. p. 34.

— — Chemn. ed. II. Helix N. 397. t. 66. f. 47—20.

Habitat in America boreali (in fungis ligni putridi: Say), Pennsylvania, Massachusetts, Missouri (Gould), Texas.

§. 78.

1084. *H. auriculata* (Polygyra) Say.

T. rimato-perforata, superne planiuscula, subtus inflata, cosculato-striata, lutescens vel fusca; anfr.  $5\frac{1}{2}$  angusti, ultimus ad aperturam deflexus, disjunctus, subtus constrictus, scrobiculatus; umbilicus planus, penultimum anfractum modo monstrans; apertura subhorizontalis, auriformis, ringens, fere clausa; perist. continuum, marginibus plica oblonga intrante, superne excavata junctis, dextro intus lamella profunda munitus, cum basali late unituberculoso angulum subacutum formante. — Diam. maj.  $4\frac{1}{2}$ , min. 4, alt.  $7\frac{1}{2}$  mill. (Coll. Nr. 664.)

*Polygyra auriculata* Say in Philad. journ. I. P. 2. p. 277.

*Helix auriculata* (Helicodonta) Fér. pr. 98. Hist. t. 50. f. 4.

— — Lam. ed. Dh. 477. p. 442.

— — Binn. in Bost. journ. III. p. 384. t. 49. f. 4.

— — Chemn. ed. II. Helix N. 384. t. 65. f. 3. 4.

*Daedalopila auriculata* Beck ind. p. 24.

β. Minor: Fér. hist. t. 50. f. 3.

Habitat in Florida, prope St. Augustine (Say).

1085. *H. ventrosula* Pfr.

T. rimato-perforata, depresso-globosa, tenuis, subtiliter striata, pellucida, corneo-albida; spira vix elevata; anfr. 5 vix convexiusculatus, ultimus superne subangulatus, subito deflexus, basi inflatus, antice gibbus et valde constrictus; apertura perobliqua, ringens, perist. acutum, late reflexum, marginibus vix coninvas elevatas in ventre anfractus penultimi angulamentis emittentibus, dextro lamina subperpendiculari, latim junctas,

dilatata, basali dentibus 2 acutis munito. — Diam. maj. 43, min. 14, alt.  $7\frac{1}{2}$  mill. (Coll. Nr. 662.)

*Helix ventrosula* Pfr. in Proc. Zool. Soc. 1845. p. 431.

— — Chemn. ed. II. Helix N. 383. t. 65. f. 5. 6.

Habitat in Mexico (Hinds), Texas (Sowerby).

Obs. Differt ab *H. texasiana* rima umbilicali brevissima, testae forma, dentibus aperturæ, etc.

#### 1086. *HL. texasiana* Moricand.

T. perforata, orbiculato-depressa, tenuiuscula, nitidula, alba vel rubella, superne confertim plicata, basi convexa, laevigata; spira brevissima, vix elevata; anfr. 5 planulati, ultimus prope aperturam argute plicatus, antice deflexus, subtus constrictus, basi devians, rimam arcuatam formans; apertura lunaris, coarctata; perist. album, reflexum, marginibus dente linguiformi, acuto, triangulari junctis, dextro dente minuto, basali dente validiore munito. — Diam. maj. 40, min.  $8\frac{1}{2}$ , alt. 5 mill. (Coll. Nr. 663.)

*Helix texasiana* Moric. Mém. Gen. VI. P. 2. p. 538. t. 4. f. 2.

— — Lam. ed. Dh. 224. p. 433.

— — Chemn. ed. II. Helix N. 56. t. 40. f. 41. 42.

— *fatigiata* Binn. in Bost. journ. III. p. 388. t. 49. f. 3.

— *tridonta* Jan in sched.

— . . . . Fér. hist. t. 69 D. f. 2.

*Polygyra plicata* Say in Philad. journ. II. p. 162.

*Tridopsis tridonta* Beck ind. p. 22.

β. Distinctius carinata:

*Polygyra fatigiata* Say descr. of new shells etc. p. 44.

γ. Major, cornea, linea 4 rufa supra peripheriam cingulata, anfr. 6: diam. 44, alt. 5 mill. (Coll. Menk.)

Habitat in Texas (Moric., Jay), Alabama (Say), var. β prope New Harmony (Say), var. γ in Texas.

#### 1087. *HL. avara* (Polygyra) Say.

T. rimato-perforata, depressa, striata, hispida, fusco-cornea; spira brevissima; anfr. 5 planiusculi, ultimus basi umbilicum latum, non pervium formans; apertura brevis, coarctata, triangulari-subreniformis; perist. reflexum, marginibus dente magno, uncinato junctis, basali dente majusculo triangulari, dextro dente latiore illi approximato, munito. — Diam. maj. 9, min. 7, alt.  $3\frac{1}{2}$  mill. (Coll. Nr. 664.)

*Polygyra avara* Say in Philad. journ. I. P. 2. p. 277.

*Helix avara* (Helicodonta) Fér. pr. 97. Hist. t. 50. f. 2.

— — Chemn. ed. II. Helix N. 383. t. 65. f. 4. 2.

— *Sayi* Wood suppl. t. 7. f. 34.

*Helix auriculata* Binn. in Bost. Journ. III. p. 385. t. 49. f. 2.

*Stenotrema avara* Rafn. (teste Fér.)

— — Hartm. Gast. I. p. 84. t. 22.

*Daedalochila avara* Beck ind. p. 24.

§. Minor, anfr.  $4\frac{1}{2}$ : diam. maj. 7, min. 6, alt.  $3\frac{1}{2}$  mill. (Spec.)

Habitat in Louisiana et Florida orientali (Say).

Obs. Differt ab *H. auriculata* anfractu ultimo antice non soluto, apertura non horizontali, dente peristomatis dextro submarginali, etc.

### 1088. *H. Troostiana* (Polygyra) Lea.

T. umbilicato-perforata, discoidea, utrinque costulata, cornea, superne planulata, basi convexior; spira planiuscula; anfr.  $5\frac{1}{2}$  planulati, penultimus subtus umbilicum latum planulatum formans, ultimus antice deflexus, constrictus; apertura obliqua, lunaris, coarctata; perist. acutum, angulatum reflexum, intus callosum, marginibus callo, dentem linguiformem, subtriangularem emittente, junctis, basali dente submarginali, dextro dente latiore, profundo munito. — Diam. maj.  $7\frac{1}{2}$ , min.  $6\frac{1}{2}$ , alt.  $3\frac{1}{2}$  mill. (Coll. Nr. 665.) — Diam. 0,4, long. 0,2". (Lea.)

*Polygyra Troostiana* Lea obs. II. p. 407. t. 24. f. 419.

*Helix Troostiana* Chemn. ed. II. *Helix* N. 390. t. 65. f. 24—24.

— . . . . Fér. hist. t. 69 D. f. 4.

Habitat in America boreali: Tennessee.

Obs. Differt ab *H. Dorfeuilliana* umbilico irregulari, costulis totam testam obducentibus, forma dentis parietis aperturalis et positione dentium peristomatia, — ab *H. texasiana* sculptura, forma etc.

## §. 79.

### 1090. *H. personata* Lamarck.

T. subobtectae perforata, depresso-globosa, cornea, opaca, pubescens; spira vix elevata; anfr. 5 convexiusculi, ultimus antice constrictus; apertura coarctata, angulato-trisinuata; perist. late replicatum, intus callosum, bidentatum, marginibus dente linguiformi, transverso fere junctis. — Diam. maj. 44, min.  $9\frac{1}{2}$ , alt. 6 mill. (Coll. Nr. 666.)

*Helix personata* Lam. Journ. d'hist. nat. t. 42. f. 4.

— — (Helicodonta) Fér. pr. 403. Hist. t. 54. f. 4.

— — Lam. 99. p. 92. ed. Dh. p. 73.

— — C. Pfr. I. p. 34. t. 2. f. 44.

— — Guérin Iconogr. Moll. t. 6. f. 3.

— — Rossm. I. p. 68. f. 48.

— — Chemn. ed. II. *Helix* N. 382. t. 64. f. 27. 28.

— *isognomostomos* Gmel. 458. p. 3624. (ex parte.)

*Isognomostoma personatum* Fitzing. syst. Verz. p. 97.

*Tridopsis personata* Beck ind. p. 22.

*Gonostoma personatum* Held in Isis 1837. p. 945.

Habitat in Germania, Helvetia, Illyria, Gallia, Italia.

1090. **H. clausa Rafinesque.**

T. obtecte perforata, orbiculato-convexa, granulato-striata, pubescens, griseo-fusca; spira brevis; anfr. 5 vix convexiusculi, ultimus ad aperturam superne gibbus, lateraliter constrictus; apertura coarctata; perist. reflexum, intus callosum, margine dextro dente majore, intrante, basali dente minore marginali munito; paries aperturalis dente tertio, linguiformi, intrante praeditus. — Diam. maj. 12, min. 11, alt. 6 $\frac{2}{3}$  mill. (Coll. Nr. 667.)

*Helix clausa* (Helicodonta) Fér. pr. 104. Hist. t. 54. f. 2.

— — Lam. ed. Dh. 179. p. 114.

— — Chemn. ed. II. Helix N. 384. t. 64. f. 25. 26.

— *inflecta* Say in Philad. journ. II. p. 153.

— — Binn. in Bost. journ. III. p. 358. t. 9. f. 1.

*Tridopsis clausa* Rafin. (teste Fér.)

*Tridopsis inflecta et clausa* Beck ind. p. 22.

*Gonostoma clausum* Held in Isis 1837. p. 945.

Habitat in America boreali: Missouri, Carolina, Arkansas.

Obs. Differt ab *H. personata* umbilico clauso, dente linguiformi intrante, nec transverso, etc.

1091. **H. convexa Rafinesque.**

T subobtecte umbilicata, globoso-depressa, diaphana, rufescenti-cornea, pilis brevissimis obsita; spira convexiuscula; anfr. 5 $\frac{1}{2}$ , supremi planiusculi, 2 ultimi convexi, ultimus antice gibbus, ad aperturam constrictus; umbilicus angustus, pervius; apertura late lunaris, dente lamelliformi in pariete aperturali coarctata; perist. acutum, reflexum, intus albo-callosum. — Diam. maj. 14, min. 10, alt. 6 mill. (Coll. Nr. 668.)

*Helix convexa* Desh. in Encycl. méth. II. N. 418. p. 253.

— — Fér. hist. t. 50 A. f. 2.

— — Lam. ed. Dh. 176. p. 112.

— — Chemn. ed. II. Helix N. 57. t. 10. f. 17. 18. t. 66. f. 24—27.

— *monodon* Rack. in Linn. tr. XIII. p. 42. t. 8. f. 2.

— — Binn. in Bost. journ. III. p. 360. t. 10. f. 1.

— — Gould report p. 174. f. 113.

— *hirsuta* a Fér. prodr. 101.

*Stenotrema convexa* Rafin. (teste Fér.)

*Tridopsis convexa* Beck ind. p. 22.

*Lister* t. 93. f. 94.

β. Minor:

*Helix fraterna* Say Exped. to St. Peter's River II. 257. t. 15. f. 3.

— — *Binn.* in Bost. journ. III. p. 363. t. 10. f. 2.

— *monodon* Wood suppl. t. 7. f. 15.

*Tridopsis fraterna* Beck ind. p. 22?

γ. Minima: diam. maj. 7, min.  $6\frac{1}{2}$ , alt. 4 mill. (Spec.)

*Helix Leaii* Ward ined.

Habitat in America boreali: Ohio, etc., nec non in Texas (Menke).

#### 1092. *H. Gougeti* Tervor.

T. obtecte perforata, depressa, cornea; spira vix convexa, costulato-striata; anfr. 7 angustissimi, convexiusculi, ultimus basi convexior, striatulus; apertura subverticalis, depressa, late lunaris; perist. angulatim breviter reflexum, intus albo-callosum, margine basali leviter arcuato, unidentato. — Diam. maj. 9, min. 8, alt. 4 mill. (Mus. Cuming.)

*Helix Gougeti* Terv. cat. p. 49. t. 2. f. 5—7.

Habitat rarissima prope Tremecen Algeriae (Terv.); prope Villaviciosa Asturiae (Mus. Cuming.).

#### 1093. *H. spinosa* (Carocolla) Lea.

T. obtecte perforata, lenticularis, tenuis, corneo-fusca, hispida, basi convexa; spira vix elevata; anfr. 6 plani, lente accrescentes, ultimus antice gibbus, subdeflexus, acutissime carinatus; apertura depressa, transversa, sublinearis, dente magno, linguiformi, oblique intrante in toto pariete aperturali coarctata; perist. callosum, margine supero reflexo, basali introrsum incrassato, obsolete denticulato. — Diam. maj. 14, min. 13, alt. 6 mill. (Coll. Nr. 669.)

*Carocolla spinosa* Lea obs. I. p. 114. t. 15. f. 35.

*Helix spinosa* *Binn.* in Bost. journ. III. p. 367. t. 11. f. 2.

— — *Chemn.* ed. II. *Helix* N. 388. t. 65. f. 15—17.

Habitat in America boreali: Alabama (prope Claiborne: Lea), Tennessee (Binney).

#### 1094. *H. hirsuta* Say.

T. obtecte perforata, globulosa, diaphana, rufa, undique hirsuta, subtus inflata; anfr. 5 convexiusculi, ultimus antice gibbus, angulatim deflexus; apertura irregulariter transverse lunaris, rimulaeformis, dente praelongo, lamelliformi parietis aperturalis coarctata; perist. superne vix expansum, basi callo trisinuoso, introrsum prominente subincrassatum. — Diam. maj.  $7\frac{1}{2}$ , min. 7, alt.  $4\frac{1}{4}$  mill. (Coll. Nr. 670.)

*Helix hirsuta* Say in Philad. journ. I. p. 47. II. p. 164.

— — (*Helicodonta*) *Fér.* pr. 101. Hist. t. 50 A. f. 1.

*Helix hirsuta* Lam. ed. Dh. 178. p. 113.

— — Binn. in Bost. journ. III. p. 365. t. 10. f. 3.

— — Gould report p. 175. f. 116.

— — Chemn. ed. II. Helix N. 387. t. 65. f. 9—11.

— *fraterna* Wood suppl. t. 7. f. 16.

— *sinuata* γ Gmel. N. 23. p. 3618.

— *isognomostomos* Gmel. ex parte.

*Tridopsis hirsuta* Beck ind. p. 22.

β. Major: diam. maj. 12, min. 11, alt. 7 mill. (Spec.)

*Helix hirsuta* α Fér. hist. t. 50 A. f. 3.

— — var. Chemn. l. c. t. 65. f. 12—14.

— *stenotrema* Fér. Mus. ! Pfr. Symb. II. p. 39.

Habitat in America boreali: Pennsylvania, β in Indiana.

#### 1095. *H. fausta* Lowe. †

T. rotundata, carinata, subgloboso-depressa, basi convexior, pilis brevissimis undique scobinato-hispida, laeviuscula; spira elevatiuscula, depresso-conoidea; anfr.  $5\frac{1}{2}$  planiusculi, obsolete transverse striati; sutura distincta, impressa; apertura transversa, intus angustata, exterius dilatata, dente lamellato intus ad ventrem coarctata; perist. extra expansum, subreflexum, acutum, columellam versus album, incrassatum, subsinuatum, sc. obsolete bidentatum, reflexum, umbilicum penitus obtegens. — Axis  $4\frac{1}{4}$ , diam. 3''' (L.)

*Helix fausta* Lowe Faun. Mader. p. 43. t. 5. f. 8. (auct.)

— — Lam. ed. Dh. 205. p. 126.

Habitat in sylvis Convallis « Boa Ventura » dictae, in Maderae ora septentrionali.

Obs. «H. personatae Lam. maxime affinis.» (Lowe.) — Cl. Deshayes diam. 6—7 lin. speciei tribuit, forsitan figura aucta deceptus?

#### 1096. *H. pustula* Férussac.

T. subobtectae perforata, depressa, minute striatula, rufo-vel pallide-cornea; spira vix elevata; anfr.  $4\frac{1}{2}$  vix convexiusculi, ultimus basi convexior, antice breviter deflexus, constrictus; apertura obliqua, angusta, sinuato-lunaris; perist. breviter reflexum, marginibus dente mediocri, linguiformi junctis, basali dilatato, dentibus 2 approximatis munito. — Diam. maj. 6, min.  $5\frac{1}{2}$ , alt. 3 mill. (Coll. Nr. 674.)

*Helix pustula* (Helicodonta) Fér. hist. t. 50. f. 4.

— — Pfr. Symb. III. p. 81.

— — Chemn. ed. II. Helix N. 389. t. 65. f. 18 20.

Habitat in Texas, teste collectione Menkeana.

§. 80.

1007. *H. albina* MÜLLER. †

*T. perforata*, planiuscula, carinata, alba, subtus gibba, apertura quadrangulari. — List. t. 86. f. 86? — Diam. 3 lin. — Hab.?

*Helix albina* Müll. verm. II. p. 25. N. 226.

**Descript.** Müll. «Prima facie *H. explanata* aliquantum refert, nota vero splendida, dente in medio anfractus aperturae oppositi mox distinguitur. — Testa alba immaculata (injuria forte aëris). Anfractus supra tres, medio parum convexi, subtus unicus valde convexus, margine acuto. Centrum subtus perforatum. Apertura figuram subquadrata mentitur.

**Obs.** Species ad *H. pisanam* juniorem a plerisque citata, ob dentem parietis aperturalis ad *H. subdentatam* Fér. (Nr. 392.) potius referenda?

1098. *H. ? alexandrina* Ehrenberg. †

*T. hyalina*, pallide cinereo-maculata, spira elongata conica obtusa, umbilicata; anfr. 3; apertura subrotunda, simplice. — Long.  $\frac{3}{4}$ , lat.  $\frac{1}{2}$  lin. (E.)

*Helix ? alexandrina* Ehr. Symb. phys. Moll.

Habitat Alexandriae.

**Obs.** «Pupae habitus, sed characteres Helicis. — An *H. crenulata* Oliv. jun.?»

1099. *H. Brocchii* Calceara. †

*T. depressiuscula*, parva, albo-cornea, nitida; anfr. 2—3 cylindracei, suturis excavatis, ultimo longitudinaliter tenuissime striato; subtus convexa, glabra, umbilicata; apertura rotundata; labro simplice. — Diam.  $\frac{2}{3}$  lin. An spec. juv.?

*Helix Brocchii* Calc. espos. de' Moll. terr. etc. 1842. p. 42.

— — *Phil. Sicil.* II. p. 220.

Habitat in Sicilia in Monte Cuccio.

1100. *H. candida* Gmelin. †

*T. umbilicata*, utrinque convexa; apertura non marginata.

*Helix candida* Gmel. 15. p. 3646.

— — (*Helicella*) Fér. pr. 228.

Habitat . . . ?

**Obs.** A Cl. Beck ad *H. laevipedem* citatur. (Conf. Nr. 462.)

1101. *H. cemenolea* Risso. †

*T. crassiuscula*, polita, nitida; anfr. 6, striis obliquis elevatis valde irregularibus sculptis; epidermide testacea, linea longitudinali eburnea ornata. — Long. 0,042.

*Theba cemenolea* Risso IV. p. 75. N. 468.

Habitat in Italia boreali: Colline de Cimiez.



1102. *H. cornea* Risso. †

T. glabra, nitida, pellucida; anfr. 6, striolis inaequalibus flexuosis sculptis; epidermide cornea, fascia longitudinali mediana ornata; peritremate corneo. — Long. 0,007.

*Helicigona cornea* Risso IV. p. 66. N. 443.

Habitat in muris vetustis prope Nizza.

Obs. Citantur ab auctore: Gmel. 35. — Gualt. IV. dd. — Drap. 110. 43. VIII. 4. — Fér. 348. 464.

1103. *H. crenulata* Müller. †

T. perforata, globosa, subcarinata, striata, alba, fascia fusca. — Diam.  $3\frac{1}{2}$  lin.

*Helix crenulata* Müll. verm. II. p. 68. N. 263.

List. synops. t. 85. f. 85.

Habitat in Gallia Lionensi.

Descript. Müll. « Testa alba, striis minutissimis, convexis tamen, ipsa carina ex striis quasi crenulata; hoc oculo armato melius videtur. Fascia fusca omnes spiras percurrit; ipse apex fuscus est. Subtus solito convexior fascia media fusca, lata; huic, qua umbilicum spectat, alia tenuis adjacet; area interjecta maculis tessellata. Sub carina seu margine acuto spirae majoris conspicitur alius parvus margo, seu incisio concentrica huic Helici propria. Foramen centri patulum, at nullae in eo spirae visibiles. Apertura lunata, labro acuto. Anfractus 5 ».

Obs. Cl. Draparnaud speciem dubitanter ad *H. elegantem* (Nr. 465.) citat. — Cl. Beck (p. 12.) eam Thebam crenulatam nominat, patriamque Neapolim dicit. Citantur ab eo: *H. scabra* Sal., *H. simulata* γ Fér. An *H. rimata* Klotz?

1104. *H. cristula* Férussac. †

« Similis *H. crystallinae* forma et magnitudine; differt ab illa primo aspectu carina prominente, quasi cristulam in ultimo anfractu formante ». (Fér. in Voy. de Freyc.)

*Helix cristula* (Helicella) Fér. pr. 225.

— — Fér. in Voy. de Freyc. Zool. p. 474.

Habitat in insula Rawak Moluccarum.

Obs. Num inter Nr. 194 et 195 inserenda?

1105. *H. Cupani* Calcare. †

T. parva, orbiculato-depressa, corneo-fulva, inferne convexa, late umbilicata; anfr. 2—3, suturis impressis, superficie punctulato-scabra, subpilosa; labro tenui, simplice. — Diam.  $\frac{1}{2}$  lin.

*Helix Cupani* Calc. Cenn. topogr. dei dint. di Termini 1842. p. 32.

*Helix Oupani* Arad. et Magg. catal. p. 88.

— — *Phil.* Sicil. II. p. 248.

Habitat in Sicilia.

Obs. «Nonne status juvenilis et forte *H. apicinae*?»

1106. *H. Deshayesi* Calcare. †

T. minutissima, corneo-fulva, subtus late umbilicata; anfr. 4 convexiusculi, longitudinaliter elegantissime striato-costulati; labrum simplex, acutum. — Diam.  $\frac{1}{2}$  lin.

*Helix Deshayesi* Calc. in: *Imparziale* N. 7. 1844. 15. Apr.

— — *Arad. et Magg. catal.* p. 92.

— — *Phil.* Sicil. II. p. 248.

Habitat in Sicilia; prope Palermo detexit Calcare.

Obs. An *H. pygmaeae* Drap. affinis? An ejus status juvenilis?

1107. *H. Edgariana* (Carocella) Lea. †

T. supra subplana, subtus convexa, rufo-fusca, irregulariter striata, imperforata; spira brevis; suturae vix impressae; anfr. 5 planulati; apertura angustissima; columella dentem unicum longum et laminatum habens; labrum incrassatum, in medio incisum. (Lea.) — Dimens.?

*Carocella Edgariana* in *Proc. Am. phil. Soc.* 1844. II. p. 34.

Habitat in America boreali: «Cumberland mountains», Tennessee.

1108. *H. fasciata* Risso. †

T. glabra, opaca; anfr. 6 lineis obliquis aequalibus impressis sculptis; epidermide crocea, fasciis transversis nigro-purpureo, ferrugineoque picta. — Long. 0,040.

*Helicella fasciata* Risso IV. p. 72. N. 458.

Habitat in Italia boreali: «Montagne d'Agel».

1109. *H. ferruginea* Risso. †

T. glabra, nitida; anfr. 5 sulcis aequalibus aequidistantibus sculptis, basilari ad sinistram lineolis transversis curvatis sculpto; apertura albida. — Long. 0,005. (R.)

*Helicella ferruginea* Risso IV. p. 72. N. 459.

Habitat circa Nizza.

1110. *H. folliculata* Risso. †

T. glabra, nitida, subpellucida; anfr. 6; epidermide griseo-lutescente, folliculis elevatis tecta; perist. carneo, pallido. — Long. 0,007.

*Hygromia folliculata* Risso IV. p. 67. N. 445.

Habitat circa Nizza in collibus et locis umbrosis.

1110'. **H. fornicata Gould. †**

T. parva, planorboidea, tenuis, dilute rufa, supra convexiuscula, infra concava, oblique ordinatim et confertim costato-striata; anfr. 4 convexi, ultimus ad peripheriam rotundatus; sutura profunda; apertura transversa, rotundato-elliptica. — Lat.  $\frac{1}{4}$ , alt.  $\frac{1}{10}$  poll. (G.)

*Helix fornicata Gould* 1846. Exped. shells p. 21.

Habitat in insula Sandwich. Kauai.

Obs. Comparatur ab auctore cum *H. striatella* et *indentata*. — Umbilicus? Peristoma?

1111. **H. Gemmellarii Aradas et Magglore. †**

T. subcompressa, longitudinaliter striata, umbilicata, alba, fulvo-fasciata, fasciis maculis fulvis saepe interruptis compositis; apertura ovata; labrum inferne reflexum, umbilicum non penitus obtgens, album intus marginatum; spira brevis, depressa; anfr. 4—5 laeviter subcarinati, superne planulati, primo excepto. — Diam.  $9\frac{1}{3}$ , alt.  $4\frac{1}{2}$  lin. (A. et M.)

*Helix Gemmellarii Arad. et Magg.* catal. p. 75.

— — *Phil. Sicil.* II. p. 247.

Habitat in Sicilia, ubi unicum specimen in littore Catanensi invenit Aradas.

1111'. **H. hispida (Helicella) Risso. †**

T. glabra, nitida, pellucida; anfr. 6, striolis elevatis curvatis sculptis; epidermide cornea in spinulis elevata. — Long. 0,005. (R.)

*Helicella hispida Risso* IV. p. 72. N. 160.

Habitat circa Nizza.

1112. **H. hispidula Risso. †**

T. glabra, nitida, subpellucida; anfr. 5, striis transversis curvatis, basilari undulatis, sculpti; epidermis ferruginea, in spinulis elevata, fasciis transversis nigrescentibus ornata. — Long. 0,005. (R.)

*Helicella hispidula Risso* IV. p. 73. N. 161.

Habitat in collibus circa Nizza.

1113. **H. incisa Chemnitz. †**

T. depressa, umbilicata, alba, margine inciso et quasi dissecto; apertura rotunda.

*Helix incisa Chemn.* IX. P. 2. p. 129. t. 130. f. 1166.

— — *Gmel.* p. 3630. N. 238.

— — *Dillw. descr. cat.* II. p. 924. N. 85.

*Carocolla incisa* Klett, Menke syn. ed. 2. p. 24?

*Favanne* Conch. t. 64. lit. S. (Chemn.)

Habitat . . . ?

Obs. An *H. turcicae* Chemn. status juvenilis. (Conf. Nr. 444. p. 474.)

1114. *H. Kiesneri* Le Gaillon. †

T. suborbicularis, planata, alba, nigro-purpurascens unifasciata; anfr. 5 subconvexi, fascia in ultimo anfractu supra medium posita; spira violascens plana; umbilicus cylindricus, profundus; apertura rotundata, posterius coarctata. — Diam. 23, conv. 44 mill. (G.)

*Helix Kiesneri* Le Guill. in Revue zool. 1842. p. 440.

Habitat ad Triton-Bay Novae Guineae.

1115. *H. leucas* Linn. †

T. subcarinata, umbilicata, convexa, laevis, subtus gibbosa; umbilicus minutissimus; apertura rotundato-lunata. (Testa albida: supra fascia, subtus lineis purpurascens. (L.)

*Helix Leucas* Linn. syst. ed. X. p. 769. N. 577. ed. XII. p. 1242. N. 664.

— — *Gmel.* p. 3646. N. 42.

— — *Dillw.* descr. cat. II. p. 893. N. 44.

*Carocolla leucas* Menke syn. ed. 2. p. 24.

*Theba leucas* Beck ind. p. 44. (Descr. de l'Egypte t. 2. f. 45. 46?)

Habitat in Africa (Linn.)

Obs. Conf. Menke in Zeitschr. f. Mal. 1845. Febr. p. 27, ubi demonstratur, hanc speciem verosimiliter esse *H. pisanam* juv. (= *albella* Chemn. IX. f. 4405?)

1116. *H. leucostoma* Risso. †

T. glabra, nitidissima; anfr. 6 ad sinistram carinati, striis obliquis curvatis lineolisque longitudinalibus sculpti; epidermis eburnea; apertura alba. — Long. 0,008. (R.)

*Theba leucostoma* (*leucostoma*?) Risso hist. IV. p. 76. N. 472.

α. Fascia una, ferruginea picta.

β. Fasciis 5 longitudinalibus punctorum ferrugineorum ornata.

γ. Fasciis 5 inaequalibus integris.

δ. Testa crocea, fasciis 3 longitudinalibus eburneis ornata.

ε. Testa crocea, fasciis longitudinalibus 5 et 8 punctorum ferrugineorum compositis, ornata.

Habitat prope Nizza.

1117. *H. maculata* Müller. †

T. perforata, planiuscula, subcarinata, alba, atomis fuscis, subtus gibba, fasciis linearibus. — Diam. 4½ lin. (M.)

*Helix maculata* Müll. verm. II. p. 25. N. 227.

*Helix maculata* Gmel. p. 3645. N. 8.

— *explanata* Müll. var.? Beck ind. p. 46.

*Carocolla maculata* Menke syn. ed. 2. p. 25. (Au H. pisana juv.?)

Habitat . . . ?

Descr. Müll. «T. alba, supra planiuscula, fasciis 2 ex maculis minimis fuscis, spatio intermedio lineari, albo. Summus margo, seu ipsa carina alba, subtus valde convexa, lineis juxta marginem inprimis concentricis fuscescentibus. Anfractus supra 3, subtus unicus. Centrum subtus pervium. Junior est, nec absoluta.»

1117\*. **H. maculata (Carocolla) Anton. †**

Simillima Carocollae bicolori Lam., sed late et aperte umbilicata, luteola, maculis radiantibus fuscis. — Lat. 6, alt. 2½''' (Ant.)

*Carocolla maculata* Anton Verz. p. 40. N. 4463.

Habitat in Palearis. (insulis Balearicis?)

1118. **H. mamillata Risso. †**

T. glabra, nitida, subpellucida; anfr. 4 depressi, mamillis, in lineis longitudinalibus regulariter digestis, sculpti; epidermis olivaceo-brunnea. — Long. 0,006. (R.)

*Helicella mamillata* Risso hist. IV. p. 70. N. 453.

Habitat circa Nizza.

1119. **H. meridionalis Risso. †**

T. glabra, nitida, pellucida; anfr. 5 convexi, sulcis obliquis transversis sculpti; epidermis alba, fasciis purpureis, ferrugineo-brunneoque variegata. — Long. 0,048. (R.)

*Theba meridionalis* Risso hist. IV. p. 76. N. 474.

Habitat in littore prope Nizza.

1120. **H. olivacea Risso. †**

T. subdepressa, glabra, nitida; anfr. 6, striolis elevatis inaequalibus flexuosis sculpti; epidermis olivacea; perist. purpureo-nigrum. — Long. 0,046. (R.)

*Helix olivacea* Risso hist. IV. p. 63. N. 436.

Habitat in vallibus umbrosis circa Nizza.

1121. **H. oregonensis Lea. †**

T. subcarinata, tenuis, laevis, rufo-fusca, ad carinam bifasciata, superne subconvexa, inferne subinflata. — Diam. 0,6. long. 0,4 poll. (L.) — Diam. 45, alt. 9 mill. (ex ic.)

*Helix oregonensis* Lea obs. II. p. 400. t. 23. f. 85.

Habitat prope Wahlamat, Oregon.

Obs. Specimen imperfectum. vix dignoscendum.

1122. *H. Petiti Cantraine*. †

T. convexo-lenticularis, subtus convexior, subperforata, acuta carinata, striata irregulariterque granulata, luteo-fulva, fusco superne inferneque unifasciata; apertura angustata, sublinearis, obliqua, lactea, intus marginata; labium dente vel callo munitum; perist. simplex; anfr. 6. — Diam.  $3\frac{1}{2}$  lin. (C.)

*Helix Petiti Cantr.* Malac. p. 430. t. 43. f. 2. (tabula deest.)

Habitat prope Palermo. (??)

Obs. «Simillima Carocollae spinosae Lea.»

1123. *H. polita Müller*. †

T. umbilicata, subdepressa, subcarinata, striata. — Diam.  $2\frac{1}{2}$  lin. (M.)

*Helix polita Müll.* verm. II. p. 33. N. 235.

— *striatula* Linn. N. 659? (Müll.)

Habitat in ripis torrentum Lombardiae.

Descr. Müll. «T. convexa, candidissima, glaberrima, oculo armato argute striata, facie et statura H. hispidae. Umbilicus patulus. Apertura lunata. Anfractus 5».

Obs. *Helix striatula* Gmel. (p. 3645. N. 40.) e descriptione Linnaeana H. striatulae et Mülleriana H. politae composita est.

1124. *H. Prevostiana Risso*. †

T. glabra, pellucida, nitida; anfr. 6 valde convexi, striolis obliquis subcurvatis, impressis sculpti, interstitiis tenuissimis; sutura excavata; epidermis grisea, zonis eburneis et carneis longitudinaliter picta. — Long. 0,006. (R.)

*Helicella Prevostiana Risso* hist. IV. p. 73. N. 462.

Habitat in collibus circa Nizza.

1125. *H. radiata Müller*. †

T. perforata, subdepressa, striata, subtus convexa, radiata. — Diam. 40 lin. (M.)

*Helix radiata Müll.* verm. II. p. 23. N. 224.

— *radiata* Gmel. p. 3634. N. 73. (err. typ.)

*Helicogena radiata Beck* ind. p. 40.

*Guatt.* t. 2. f. 3?

*List.* t. 70. f. 69.

*Petiv. Gazophyl.* t. 404. f. 4.

*Gronov. zooph.* 3. p. 334. n. 4544. (Gmel.)

Habitat in Gallia meridionali.

Descr. Müll. «T. crassa, striis transversis elevatis, confertis, albo et rufo variegata, ita tamen ut spira major rufa, mino-

res maximam partem albae sint. Supra subdepressa, subtus convexa, fascia in margine et alia in medio, utraque alba, abrupta. Umbilicus foramen potius dicendus, in eo enim spirae vestigia inconspicua; strigae s. radii 6—7 albi ab hoc in paginam superiorem divergentes. Apertura lunata, absque labro. Testa intus tota alba.»

Obs. Species omnino dubia, ad quam Cl. Beck *H. maculosam* Bornii, nec Lam. refert. Conf. seq.

1126. ***H. radiata* Risso. †**

T. pellucida, spira moderatim elevata; anfr. 7, sulcis obliquis curvatis aequidistantibus sculpti; epidermis fusciscente fulva. — Long. 0,004. (R.)

*Helicella radiata* Risso hist. IV. p. 69. N. 451.

*Helix radiata* L. Gm. 3634. } Risso.  
— — Müll. II. 224. }

Habitat « environs du Var. »

1127. ***H. rubella* Risso. †**

T. glabra, nitida, subpellucida; anfr. 6, lineolis elevatis transversis, paululum curvatis sculpti; epidermis cinerascenti-rubra. — Long. 0,014. (R.)

*Theba rubella* Risso hist. IV. p. 75. N. 469.

Habitat circa Nizza.

1127\*. ***H. ruida* Gould. †**

T. fragilis, obconica, oblique striata, epidermide tenui subconcentrice et confertissime rugosa induta, coloribus sordide viridibus marmorata, subtus valde convexa, perforata; anfr.  $4\frac{1}{2}$  planulati, ultimus superne angulatus; apertura lunata; labrum acutum ad umbilicum reflexum. — Lat.  $\frac{1}{2}$ , alt.  $\frac{3}{8}$  poll. (G.)

*Helix* (Nanina) *ruida* Gould 1846. Exped. shells p. 24.

Habitat in insulis Feejee.

Obs. Descriptio e speciminibus minus adultis.

1128. ***H. Schwerzenbachii* Calcare. †**

T. minuta, orbicularis, tenuis, pellucida, glabra, corneo-fulva, late umbilicata; anfr. 3 convexi, ultimus magnus, inflatus; apertura rotundata, patula; labrum simplex, acutum. Diam.  $\frac{1}{8}$  lin. — Num adulta? (C.)

*Helix Schwerzenbachii* Calc. Giorn. lett. N. 226.

*Helix Schwerzenbachii* Arad. et Magg. catal. p. 38.

— — *Phil. Sicil. II. p. 218.*

Habitat in Sicilia, ubi invenit Calcara prope Palermo.

1128\*. *H. scorpis* Gould. †

T. rotundata, depressa, rubro-castanea, fasciis radiantibus atro-purpureis tessellata, subtus haud convexa; spira depressa; anfr.  $4\frac{1}{2}$  convexi. — Lat.  $\frac{3}{8}$ , alt.  $\frac{3}{8}$  poll. (G.)

*Helix* (Nanina) *scorpis* Gould 1846. Exped. shells p. 24.

Habitat in insulis Feejee.

Obs. Descriptio teste auctore ex icone testae alicujus Cyclostomati tigrino haud dissimilis facta.

1129. *H. striatula* Linn. †

T. subcarinata, umbilicata, convexa, striata, subtus gibbior; apertura subrotundo-lunata. — T. grisea, anfractibus transverse striatis; umbilicus patulus. (L.)

*Helix striatula* Linn. syst. ed. X. p. 768. N. 575. ed. XII. p. 4242. N. 659.

— — *Gmel.* p. 3615. N. 40.

— — *Dillw. descr. cat. II. p. 892. N. 42.*

Habitat Algeriae (Brander, Linn.)

Obs. Hanc speciem, primum a Collard des Cherres (Bull. Bord. IV. p. 98.) aliisque eum sequentibus ad *H. lenticulam* Fér. relatum, a Cl. Menke (Zeitschr. f. Mal. 1844. Dez. 1845. Jan.) ad *H. amandam* Rossm. (Caroc. limbatam Phil.) referendam esse affirmatur; attamen dubia remanere mihi videtur.

1129\*. *H. subtilissima* Gould. †

T. minuta, fragilissima, nitidissima, lenticularis, plano-convexa, imperforata; spira planulata; anfr. 5 plani, arcte voluti, ultimus acutissime carinatus; apertura... (fracta). — Lat.  $\frac{1}{8}$ , alt.  $\frac{1}{16}$  poll. (G.)

*Helix subtilissima* Gould 1846. Exped. shells p. 24

Habitat in insula Maui Sandwich.

1130. *H. tenuis* Gmelin. †

T. umbilicata, pellucida, cornea, transversim striata, convexa; anfr. 6 sensim decrescentes; apertura semilunaris. — Diam. 4—5 lin. (Gm.)

*Helix tenuis* Gmel. p. 3644. N. 488.



- echinophora* Fér. Mus. Paris.  
*Egyptae* Jay catal. 1839. p. 45.  
*Ekloniana* (Theba) Beck p. 11. N. 11.  
   Africa austr. Alg.  
*elata* Zgl. (Theba Beck p. 13. N. 48.)  
   Eur. merid.  
*Elfordia* (Helicella) Fér. pr. 302.  
*elliptica* Mich. (Mesomphix Beck p. 8.  
   N. 5.) Ins. Bourbon.  
*epiglottidea* (Theba?) Beck p. 15. N. 61.  
   Ind. or. Tranquebar.  
*exoleta* Say. (Jay cat. 1839. p. 45.)  
*Eydouzii* Val. Mus. Paris.  
*Fabricii* (Petasia) Beck p. 24. N. 2. Moll.  
   grönl. p. 4. = Hel. nitida Fabr.  
*fanulum* Mlf. (Villa p. 18.) Sardin.  
*fasciata* Guild. Bowd. Conch 7. 23.  
*fliceti* (Microcystis) Beck p. 3. N. 5. Ins.  
   Pitcairn.  
*filosa* Desh. } Mus. Paris.  
*fimbriata* Fér. }  
*fimbriolata* (Theba) Beck p. 15. N. 58.  
   Antill.  
*finitima* Fér. } Mus. Paris.  
*fixidens* Val. }  
*flavocula* Kryn. Mosc. IX. Caucas.  
*flavida* Fér. Mus. Paris.  
*fulgida* Adams in Trans. Linn. Soc. III.  
   p. 353. (Nyst in litt.)  
*galliziensis* Jeniss. (Bradybaena Beck  
   p. 20. N. 39.)  
*gibbosa* Fér. (Jay cat. 1839. p. 45.)  
*globula* (Geotrochus) Beck p. 47. N. 4.  
   Guinea.  
*globula* Kryn. Mosc. IX. Caucasus.  
*gyrina* Val. } Mus. Paris.  
*Hebae* Desh. }  
*hecyra* Mlf. (Villa p. 13 = glabella  
   Porro, striolata Villa olim.)  
*hieroglyphica* (Euryomphala) Beck p. 8.  
   N. 4. Amer. sept.?  
*implicata* (Daedalochila) Beck p. 24. N. 3.  
   Mexico.  
*inamoena* (Bradybaena) Beck p. 49. N. 14.  
   c. syn. Hel. interjecta Zgl. (= Fruti-  
   cicola interjecta Held.) Chers. taur.  
*inaspecta* (Helicella) Fér. pr. 220.  
*infundibulum* Val. Mus. Paris.  
*interjecta* Zgl. (Theba Beck p. 12. N. 38.)  
   Ital. bor.  
*jacobaea* Val. Mus. Paris.  
*Javanula* (Theba) Beck p. 12. N. 26. Java.  
*Jonica* Zgl. (Campylaea Beck p. 25. N. 26.)  
   Ins. jon.  
*Lachesia* Fér. Mus. Paris.  
*latilabris* (Helicella) Beck p. 7. N. 33.  
*leucampa* Zgl. (Jan cat. p. 4.) Sicil.  
*leucaster* (Theba) Beck p. 12. N. 25. Eur.  
   bor.?  
*leucophusa* (Nanina) Beck p. 4. N. 22. Nov.  
   Holl.?  
*lineolata* (Helicella) Fér. pr. 292. Ame-  
   rica?  
*Listeri* (Leucochroa) Beck p. 16. N. 4.  
   Bermud. An Hel. bermudensis Pfr.?  
*lombardica* Mlf. (Villa p. 17.) Lombard.  
*luconica* (Nanina) Beck p. 4. N. 17. Manila.  
*ludifou* Parr. (Villa p. 12.) Syria.  
*Lychnus* Müll. verm. II. p. 84.  
*major* (Helicopsis) Beck p. 2. N. 4. Mo-  
   lucc.?  
*malabarica* } Val. Mus. Paris.  
*membranacea* }  
*Moerkiana* (Helicella) Beck p. 6. N. 3.  
   Guinea.  
*moesta* (Euryomphala) Beck p. 8. N. 6.  
   Ins. Huahine.  
*monticola* (Bradybaena) Beck p. 20. N. 40.  
   Cap. bon. sp.  
*Morea* Fér. (Jay cat. 1839. p. 47.) Graecia.  
*multicarinata* (Geotrochus) Beck p. 47.  
   N. 3. Guinea.  
*nana* (Otala) Beck p. 36. N. 8. Antill. min.  
*nautiloides* Desh. (Jay cat. 1839. p. 43.)  
   Italia.  
*Neaera* (Campylaea) Beck p. 27. N. 47.  
   Archip. Ind. or.?  
*nemorivaga* Val. Mus. Paris.  
*Nilssoniana* (Theba) Beck p. 12. N. 24.  
   Suecia. (= ericetorum Nilss.)  
*nivalis* Ménér. (alpina Ménér. olim.)  
   Bull. Mosc. IX.  
*occultata* Parr. (Ant. p. 36.) Syria.  
*Oparana* (Pitya) Beck p. 9. N. 4. Opara.  
*ornata* (Iberus) Beck p. 27. N. 4.  
*pallens* (Arianta) Beck p. 44. N. 3. Nov.  
   Holl.  
*pellicula* (Microcystis) Beck p. 2. N. 4.  
   Antill.?  
*pellucidula* Zgl. (Villa p. 41. — Fruti-  
   cola Held.) Sicil.  
*pictella* (Microcystis) Beck p. 2. N. 3.  
   Jamaica.  
*polita* Val. } Mus. Paris.  
*Pollux* Fér. }  
*polymita* (Theba) Beck p. 12. N. 41.  
   Graecia.  
*praetumida* Fér. Mus. Paris.  
*punctofasciata* Mich. (Theba Beck p. 12  
   N. 36.) Ins. Prom. virid.  
*querna* (Arianta) Beck p. 44. N. 5. Arch.  
   ins. Austral.

- quinguestrigata* (Euryomphala) Beck p. 8.  
N. 9. Am. m. centr.
- ragusaca* Jay catal. 4889. p. 49.
- rastellum* (Euryomphala) Beck p. 8. N. 8.  
Am. sept. ?
- Raenii* (Otala) Beck p. 36. N. 6. Antill. min.
- resplendens* (Helicella) Beck p. 6. N. 3.  
Ind. or. Bombay.
- Rousseaui* Mich. Mus. Paris.
- rugosalis* Zgl. (Antou p. 36.) Sicil.
- Sanderi* Stentz. (Villa p. 42.) Croatia.
- saracena* Parr. catal. Syria.
- scalprum* Val. Mus. Paris.
- scobinata* Mlf. (Villa p. 42.) Sardin.
- (Bradybaena) Beck p. 48. N. 5.  
Nov. Holl. ?
- Scouleri* (Campylaea) Beck p. 25. N. 42.  
Sicil.
- secans* (Geotrochus) Beck p. 47. N. 2.  
Guinea.
- sestilis* (Helicella) Fér. pr. 244. (Theba  
Beck p. 44. N. 42.) Prom. bon. sp.
- semicostulata* (Helicella) Beck p. 6. N. 6.  
Lusitan.
- semipolita* (Circinaria) Beck p. 23. N. 3.  
Peru.
- Stebokii* Haen. (Campylaea Beck p. 26.  
N. 40.) Japan.
- simulatrix* Fér. Mus. Paris.
- solida* Zgl. Syria.
- splendens* Fours-Dig. (Helicella Fér. pr.  
222. Beck p. 7. N. 23.) Gallia.
- strigillata* (Helicella) Fér. pr. 294.
- tessellata* Fér. Mus. Paris.
- thiarsaeformis* (Euryomphala) Beck p. 8.  
N. 5. Ins. Juan Fernandez.
- Thunbergii* (Campylaea) Beck p. 27.  
N. 44. Japan.
- Tingitana* (Theba) Beck p. 44. N. 55.  
Tingit.
- Trapobanensis* (Bradybaena) Beck p. 20.  
N. 38. Ceylon.
- turbinata* (Nanina) Beck p. 4. N. 20. Tran-  
quebar.
- velutinata* (Geotrochus) Beck p. 48. N. 43.  
Havana.
- venusta* (Nanina) Beck p. 4. N. 8. Timor.
- vermiculosa* (Helicella) Fér. pr. 242.
- vineta* Val. Mus. Paris.
- virginalis* (Mesomphix) Beck p. 7. N. 4.
- virginiensis* Frio. (Villa p. 42.) Turcia.
- vittigera* (Campylaea) Beck p. 27. N. 43.  
Ind. or. Ava.
- Yorkii* Val. Mus. Paris.
- saracensis* Mlf. (Villa p. 43.) Dalmat.

## ADDENDA ET EMENDANDA.

- Pag. 4 post lin. 17 adde: *Tomigeres ringens* Leach Zool. Misc. I.  
p. 128. t. 107. Ed. Chenu (Bibl.  
conch. III.) p. 16. t. 7. f. 1.  
- 4 - - 35 - *Helix pagoda* Pér.? (Gray.)  
- 5 in lin. 18 lege: Chemn. ed. II. t. 103. f. 4—3.  
- 5 post lin. 31 adde:

### 6°. *Streptaxis Funcki* Pfr.

T. subobtectæ umbilicata, depresso-ovata, tenuiuscula, superne confertim plicata, basi laevigata, sub epidermide tenui, cornea albida; spira regulariter parum elata, apice obtusiuscula; anfr. 6½ vix convexiusculi, ultimus deorsum devians, prope suturam striatulus, basi convexus, juxta umbilicum mediocrem compressus; apertura obliqua, subtriangularis; perist. breviter expansum, margine basali leviter arcuato, columellari in laminam triangularem, fornicatim supra umbilicum reflexam, dilatato. — Diam. maj. 27½, min. 22, alt. 16 mill. (Mus. Cuming. et Coll. Nr. 6.)

*Streptaxis Funcki* Pfr. in Proc. Zool. Soc. 1847.

— — Chemn. ed. II. *Helix* t. 101. f. 40. 41.

Habitat in prov. Merida Novae Granadae (Funck).

Pag. 11 lin. 16 loco: *Odontostoma* lege: **Proserpina Guilding.**

- 11 - 17 lege: 1. **P. colina (Carocolla) Duclou.**
- 11 - 30 lege: 2. **P. globulosa (Odontostoma) Orbigny. †**
- 11 - 37 lege: 3. **P. depressa (Odontostoma) Orbigny. †**
- 12 - 6 lege: 4. **P. allognota Jonas.**
- 12 - 16 lege: 5. **P. nitida Guilding.**
- 12 - 30 lege: 6. **P. opalina (Helix) Adams.**
- 17 post lin. 12 adde: *Helix Taitensis* Jay cat. 1839. p. 50. (Madagascar.)
- 20 - - 22 - *Helix rufina* Jay in coll. v. d. Busch.
- 20 - - 35 -

\* \* \*

### 11°. *H. Boissieri* Charpentier.

T. obtectæ perforata, conico-globosa, crassa, irregulariter striata, nitidula, cretacea; spira elevata, apice obtusa; anfr. 5 con-

vexiusculi, ultimus antice deflexus, rugatus, constrictus, basi impressus; apertura perobliqua, parvula, securiformis, latere dextro angulata; perist. labio crasso, albo munitum, marginibus callo tenui, supra perforationem expanso junctis: labio marginis basalis arcuato, dilatato, versus dextram attenuato, marginis superi tuberculis 2 crassis, subconfluentibus instructo. — Diam. maj. 25, min. 22, alt. 47 mill. (Coll. Nr. 672.)

*Helix Boissieri* Charp. in Zeitschr. f. Malak. 1847. p. 133

— — Chemn. ed. II. *Helix* N. 719. t. 114. f. 8. 9.

Habitat in Arabia petraea et Judaea (Boissier), inter Hebron et Sinai (Seetzen).

Obs. Auctor duas distinguit formas, a. majorem: diam. 28, alt. 49 mill., et b. minorem: diam. 20, alt. 44 mill.

Pag. 22 post lin. 5 adde: *Helix bicolor* Desh. Encycl. méth. II. p. 259. N. 134.

- 22 - - 45 - ♂. Juvenis: *Carocolla plebeja* Mus. Berol. (teste Anton.)

- 22 in lin. 44 deletur: 9. 40.

- 26 post lin. 45 adde: *Limax tiara Martyn* univ. Conch. t. 116. Ed. Chenu (Bibl. conch. II.) p. 28. t. 39. f. 3.

- 27 - - 37 -

### 27°. H. Graellsiana Pfr. †

T. globosa, luteo-cornea, tenuis, imperforata, oblique leviter striata; anfr. 4, ultimus ceteris duplo major, zonis 5 ex maculis rufofuscis seriatim dispositis ornatus; labrum tenue; columella et perist. carnea. — Alt. 42, lat. 47 mill. (Graells.)

*Helix Grateloupi* Graells catal. de los moluscos terrestres etc. 1846. p. 3. f. 7. 8.

— — Revue zool. 1847. p. 173.

Habitat in insula Majorca.

Pag. 28 lin. 28 lege: *Microc. trifaciella* Beck ind. p. 2. N. 2.

- 28 post lin. 28 adde: *Helix trifasciata Stentz?* (Beck.)

- 30 lin. 6 lege: Proc. Zool. Soc. 1846. p. 109.

- 30 - 49 - Proc. Zool. Soc. 1846. p. 37.

- 39 post lin. 8 adde: *Caracolla misella* Beck ind. p. 34. N. 5.

- 40 - - 33 - *Ariophanta nicobarica* Beck ind. p. 5. N. 7.

- 44 - - 24 - *Nanina Steuarti* Beck ind. p. 4. N. 24?

- 53 - - 4 - *Nanina stolephora* Pfr. Symb. II. p. 63.

- 57 - - 38 - *Helicella glaphyra* Beck ind. p. 6. N. 4?

- 60 - - 4 - *Helix crystallina* et *diaphana* (Hyalinia) Charp. catal. p. 43.

- Pag. 63 post lin. 36 adde: *Ariophanta interrupta* Beck ind. p. 5. N. 4.  
                                   *Nanina interrupta* Pfr. Symb. II. p. 63.  
 - 65 - - 39 - *Helicella revelata* Beck ind. p. 7. N. 25.  
 - 68 - - 25 -

152\*. *H. Chemn* Pfr.

T. subperforata, depressa, tenuiuscula, striis subtilibus et lineis impressis spiralibus malleato-subdecussata, castaneo-fulva; spira vix elevata, obtusa; anfr.  $4\frac{1}{2}$ , planiusculi, ad suturam vix impressam breviter rugoso-striati, ultimus angulatus, non descendens, fascia peripherica pallida et adjacente castanea, deorsum diluta ornatus; apertura parum obliqua, truncato-ovalis, intus opalina; perist. rectum, subsimplex, margine columellari subincrassato, ad perforationem clausam breviter dilatato-reflexo. — Diam. maj. 40, min. 34, alt. 20 mill. (Mus. Cuming.)

*Helix Chemn* Pfr. in Zeitschr. f. Malak. 1847. p. 145.

— — *Chemn.* ed. II. *Helix* N. 739. t. 149. f. 44—46.

Habitat in insula Ceylon?

Obs. Differt ab *H. bulla* testa paulo solidiore, sutura, apertura minus obliqua, subtetragono-ovali; ab *H. sagittifera* sculptura, spira non elevata, etc.

- Pag. 72 post lin. 44 adde: *Vitrina laevipes* Ant. Verz. p. 33. N. 1264.  
                                   *Nanina laevipes* Pfr. Symb. II. p. 63.  
 - 78 - - 33 - *Nanina exilis* Gray in Proc. Zool. Soc.  
   1834. p. 59?  
 - 87 - - 44 - *Helicella rupestris* Risso hist. IV. p. 69.  
   N. 150.  
 - 88 - - 29 - *Helicella filicum* Beck ind. p. 6. N. 7?  
 - 89 - - 6 - *Zonites fuliginosa* Gray. (teste Beck.)  
                                   *Mesomphix fuliginosa* Beck ind. p. 7. N. 2.  
 - 90 - - 9 - *Helicella protensa* Beck ind. p. 7. N. 27.  
 - 90 - - 10 - Obs. Specimina nuperrime vidi collectionis  
                                   Rossmässlerianae ex insula Creta, iconi Ferussacianae et descriptioni meae omnino congrua. Testa sublaevigata, irregulariter striatula, subvirescenti-cornea, absque nitore, basi paulo pallidior; forma aperturae intus albidae omnino eadem ac in icone, modo margo columellaris non tam late reflexus est. Diam. maj.  $49\frac{1}{4}$ , min. 16, alt. 8 mill. (Spec. max.)  
 Pag. 90 post lin. 26 adde: *Helicella chalicophila* Beck ind. p. 7. N. 27.  
 - 94 - - 7 - *Helix glabra* (Hyalinia) Charp. cat. p. 43.  
   t. 1. f. 22. et *H. nitida* Charp. olim?  
 - 94 - - 40 - *Helix lurida* Stud. cat. excl. syn. teste  
   Charp.  
                                   — *tenera* Hartm. Neue Alpina I. p. 232?  
 - 94 - - 42 - *Helicella alliaria* Beck ind. p. 7. N. 17.  
 - 92 - - 36 - *Helix Canini* Benoît in coll. Rossmässl.

Pag. 93 post lin. 4 adde: *Helix nitens* (Hyalinia) Charp. cat. p. 13.  
t. 1. f. 23.

- 93 - - 8 - *Helix splendidula* Zgl. olim.
- 93 - - 11 - *Helicella lucida* Beck ind. p. 6. N. 12?
- 93 - - 23 - *Helix nitidula* (Hyalinia) Charp. cat. p. 13.
- 93 - - 25 - *Helix cellaria* Stud. (teste Fér.)
- 94 - - 9 - *Helix nitens* Gmel. p. 3633. N. 66.
- 94 - - 12 - *Helix lucida* (Hyalinia) Charp. cat. p. 13.
- 94 - - 19 - *Helicella succinea* Beck ind. p. 7. N. 18?
- 94 - - 24 -

### 331°. H. Besckei Dunker.

T. anguste umbilicata, orbiculato-convexa, laevigata, lineis impressis, radiantibus notata, nitidissima, corneo-lutea; spira subconoideo-elevata; anfr. 5½ vix convexiusculi, regulariter accrescentes; apertura parum obliqua, lata, lunaris; perist. simplex, rectum, acutum, margine columellari brevi, verticali, subreflexo.  
— Diam. maj. 7, min. 6, alt. 2½ mill. (Coll. Nr. 673.)

*Helix Besckei* Dkr. in Zeitschr. f. Mal. 1847. p. 81.

— — Chemn. ed. II. N. 356. *Helix* t. 33. f. 18—20.

Habitat in Brasilia, unde misit Bescke.

Pag. 95 post lin. 44 adde: *Helicella arborea* Beck ind. p. 7. N. 19.

- 97 - - 38 - *Helix pygmaea* (Delomphalus) Charp. cat. p. 12.
- 98 deleatur Nr. 244. lin. 27—33.
- 105 post lin. 46 adde: *Helix ruderata* (Delomphalus) Charp. cat. p. 12.
- 106 - - 7 - *Helix rotundata* (Delomphalus) Charp. cat. p. 12.
- 106 - - 23 - *Euryomphala rudis* Beck ind. p. 9. N. 14?
- 109 - - 35 - *Helicella omalomorpha* Beck ind. p. 7. N. 30.
- 111 - - 6 - *Helicella concolor* Beck ind. p. 7. N. 31.
- 111 - - 27 - *Helicella Orbicula* Beck ind. p. 7. N. 29.
- 113 - - 26 - *Helicella trochilioneides* Beck ind. p. 7. N. 28.
- 127 - - 1 - *Helicella algira* Risso hist. IV. p. 68. N. 146?
- 130 - - 30 - *Fruticicola Olivieri* Held in Isis 1837 p. 914.
- 131 - - 32 - *Helix Olivieri* β Fér. Mus.
- 131 - - 34 - *Helix incolata* Zgl. olim.
- 131 - - 38 - *Fruticicola gregaria* Held p. 914.
- 133 - - 14 - Obs. 2. Huc referenda *Hel. gilvina* Zgl. (*Fruticicola gilvina* Held in Isis 1837. p. 914.)

Pag. 134	post lin.	ult.	adde:	<i>Fruticicola adjuncta</i> Held l. c. p. 944?
- 135	-	- 16	-	<i>Helix fruticum</i> (Helicella) Fér. pr. 259.
- 135	-	- 20	-	— — (Helicella) Charp. cat. p. 44. t. 4. f. 47.
- 139	-	- 20	-	<i>Bradybaena tecta</i> Beck ind. p. 49. N. 22?
- 140	-	- 30	-	<i>Helix plebejum</i> (Helicella) Fér. pr. 269.
- 140	-	- 35	-	<i>Helix rudis</i> Stud. Verz. p. 12?
- 140	-	- 36	-	<i>Fruticicola lurida</i> Held l. c. p. 944.
- 140	-	- ult.	-	<i>Fruticicola separanda</i> Held l. c. p. 944.
- 141	-	- 32	-	<i>Helix montana</i> (Helicella) Charp. cat. p. 44. t. 4. f. 44.
- 141	-	- penult.	-	<i>Helix caelata</i> (Helicella) Charp. p. 44. t. 4. f. 43.
				Desh. in Enc. méth. II. p. 249. N. 34.
- 142	-	- 22	-	<i>Helix villosa</i> (Helicella) Charp. p. 40. t. 4. f. 9. 10.
- 143	-	- 5	-	<i>Helix stigella</i> Desh. in Enc. méth. II. p. 234. N. 65.
- 143	-	- 6	-	<i>Bradybaena appennina</i> Beck ind. p. 49. N. 15?
143	-	- 11	-	<i>Hel. peregrina</i> Parr. in sched. e Croatia.
- 143	-	- 18	-	<i>Hel. strigella</i> var. Charp. cat. p. 44. t. 4. f. 46?
				<i>Fruticicola vitrinosa</i> Held l. c. p. 944?
- 145	-	- 29	-	<i>Helix flava</i> Terv. cat. p. 23. t. 2. f. 9. 10. <i>Bradybaena lanuginosa</i> Beck ind. p. 48. N. 40.
- 145	-	- 39	-	<i>Helix sericea</i> (Helicella) Fér. pr. 272. — — (Helicella) Charp. p. 40 t. 4. f. 42.
- 146	-	- 2	-	<i>Helix hispida</i> Mont. Turt.?
- 146	-	- 4	-	<i>Helix filicina</i> Hartm. Gast. I p. 44.
- 146	-	- 10	-	<i>Helix globularis</i> Jeffr. in Linn. tr. XVI. p. 507.
- 146	deleatur lin.	32.	( <i>Helix hispida</i> Risso.)	
- 147	post lin.	26	adde:	<i>Helix rufescens</i> Dillw. (teste Fér.)
- 147	-	- 29	-	$\beta$ . paulo depressior: <i>Hel. telonensis</i> Mit- tre, teste specimine Charpentierano. (Conf. Nr. 244.)
- 148	-	- 15	-	<i>Helix Schrankii</i> Fütz.?
- 149	-	- 6	-	Obs. Huc referenda videtur <i>Hel. albula</i> Stud. Verz. p. 15. (Fér. pr. 275.)
- 149	-	- 35	-	<i>Helix coadunata</i> Zgl.
- 150	-	- 2	-	

7. cingulo secundo albido ad suturam, magis minusve obsoleto.  
umbilico aperto: diam. maj. 9, min. 7 1/2, alt. 5 1/2 mill. (Spec.)

*Helix rutilans* Zgl. (teste Schmidt) e Carniolia.

— *modesta* Parr. in sched. e Croatia.

Pag. 151 post lin. 14 adde: *Helix depilata* Drap. tabl. d. moll. p. 72. N. 5.

- 151 - - 15 - *Helix edentula* (Conulus) Charp. cat. p. 9?

- 154 - - 21 - *Leucochroa cinae* Beck ind. p. 16. N. 6?

- 154 - - 32 - *Helix sabaea* Boiss. mss. Charp. in  
Zeitschr. f. Malak. 1847. p. 132?\*)

- 154 in fine adde: \*) *T. anguste perforata*, leviter longitudinaliter striata, solidula, nitidula, cretacea; anfr.  $5\frac{1}{2}$  sensim crescentibus, rotundis, ultimo intus pallide fusco; apertura lunata; perist. recto, acuto, intus labiato, marginibus distantibus, columellari ad basin reflexo. — Diam. 20, alt. 12 mill. —  $\alpha$ . unicolor alba —  $\beta$ . fasciata. — In desertis petrosis Palaestinae, praesertim in vicinis monasterii St. Sabae, inter Hierosolimam et Mare mortuum. (Charp. l. c.)

Pag. 155 post lin. 34 adde: *Helix candiota* Friw. in coll. Rosemüssl.

- 155 - - 35 -

#### 401<sup>a</sup>. *H. Durieui* Moquin-Tandon.

*T. angustissime umbilicata*, subglobosa, striatula, sordide albida; spira conoidea, apice obtusa, cornea; anfr. vix 5 convexi, ultimus ventrosus; apertura subverticalis, lunato-circularis; perist. rectum, acutum, intus carneo-sublabiatum, margine columellari fuscule, tenui, breviter reflexo. — Diam. maj. 42, min. 40, alt. 40 mill. (Coll. Nr. 674.)

*Helix Durieui* Moq. mss.?

— — *Chemn.* ed. II. *Helix* N. 360. t. 143. f. 9. 10.

Habitat prope Lacalle Algeriae.

Pag. 158 post lin. 44 adde: *Helix lineata* Olivi. (teste Beck.)

- 158 - - 23 - *Theba obsoleta* Beck ind. p. 44. N. 54?

- 158 - - 29 - *Theba monilifera* Beck ind. p. 43. N. 44?

- 158 - - 36 - *Theba cisalpina* Beck ind. p. 44. N. 46?

- 159 - - 9 - *Theba cretica* Beck ind. p. 42. N. 35.

- 159 - - 23 - *Theba striatula* Beck ind. p. 42. N. 32?

- 160 - - 8 - *Helix virgata* var. *Jeffr.* (teste Beck.)

- 160 - - 12 -

#### 412<sup>a</sup>. *H. parva* Parrozza.

*T. angustissime umbilicata*, turbinato-depressa, striatula, nitidula, sordide lutescens; spira conoidea, apice acutiuscula, cornea; anfr.  $5\frac{1}{2}$  vix convexiusculi, ultimus medio albo-subcarnatus; apertura lunato-circularis; perist. acutum, intus callo valido marginem non attingente labiatum, margine columellari superne breviter reflexo. — Diam. maj.  $9\frac{1}{2}$ , min.  $8\frac{1}{2}$ , alt.  $6\frac{1}{2}$  mill. (Coll. Nr. 675.)

*Helix parva* Parr. in sched.



*Helix parva* Chemn. ed. II. *Helix* N. 362. t. 113. f. 18. 19.  
Habitat in Sardinia.

412°. *H. subclausa* Rossmüller.

T. vix perforata, conoideo-depressa, superne costulato-striata, albida, fasciis angustis, fuscis, interruptis nonnullis ornata; spira convexa, obtusa; anfr. 5 vix convexiusculi, ultimus angulatus, antice non descendens, basi subplanus, striatulus; apertura lunaris, intus concolor; perist. rectum, intus carneo-labiatum. — Diam. maj. 9, min. 8, alt. 5½ mill. (Coll. Nr. 676.)

*Helix subclausa* Rossm. mss.

— — Chemn. ed. II. *Helix* N. 714. t. 119. f. 7. 8.

Habitat in Italia.

Pag. 161 deleantur lin. 7—9.

— 161 lin. 13 adde: et Theba Requienii Beck ind. p. 11. N. 7?

415°. *H. tarentina* Pfr.

T. angustissime umbilicata, orbiculato-conica, confertim costulata, pallide fuscula vel albido et fusco variegata et subfasciata; spira conoidea, apice obtusiuscula, cornea; anfr. 6 convexiusculi, ultimus subangulatus, non descendens, basi subplanatus; apertura lata, lunaris; perist. acutum, intus remote et valide labiatum, margine columellari brevi, reflexiusculo. — Diam. maj. 10, min. 8½, alt. 6 mill. (Coll. Nr. 677.)

*Helix pyramidata* var. Phil. Sicil. II. p. 110.

— — — Rossm. Ic. XI. p. 3. f. 690.

— *tarentina* Chemn. ed. II. *Helix* N. 715. t. 119. f. 9. 10.

Habitat prope Tarentum (Philippi).

Pag. 161 post lin. 39 adde: *Helix ochracea* Ziegl. Mus.

— 161 — — ult. —

416°. *H. cremnophila* Boissier. †

T. late umbilicata, vix angulata, convexa, solidula, nitida, cretacea; sutura linealis; apertura perobliqua, lunato-rotundata, intus vinosa, ad marginem albicans; perist. simplex, rectum, ad basin leviter albo-labiatum, marginibus remotis. Anfr. 4½. — Diam. 20, alt. 10 mill. (Charp.)

*Helix cremnophila* Boiss. Charp. in Zeitschr. f. Mal. 1847. p. 130.

Habitat in collibus planis deserti inter montem Sinai et Gaza.

Obs. «Similis *H. cespitum*; facile distinguitur testa candida, nitida, semper unicolore, subangulata et aperturae colore vinoso.»

Pag. 163 post lin. 20 adde: *Helix caespitum* Stud.

- 163 - - 39 - *Helix ericetorum* (Helicella) var. *alba*  
Charp. cat. p. 12. t. 4. f. 18.

- 164 lin. 32 lege: *Helicella varians* Risso IV. p. 70. N. 154? \*)

- 164 in fine adde: \*) T. glabra, nitida, subopaca; anfr. 6 depressiusculis, sulcis obliquis (in basilari undulatis) sculptis; epidermide albida, ferrugineo brunneoque variegata.  
— Long. 0,040. — Nizza. (Risso l. c.)

Pag. 165 post lin. 43 adde: *γ. Laevior*, alba, fasciis pluribus angustis, fuscis:

*Helix bathyomphala* Charp. in sched.  
(Aroli.)

- 167 lin. 37 adde: et *Helix polymita* Parr. et *Theba tergestina*  
Beck ind. p. 12. N. 39?

#### 430°. *H. rhytiphora* Charpentier. †

T. umbilicata, globoso-depressa, subtus convexa, in medio angulata, rugoso-striata, efasciata, opaca, cretacea; apertura lunato-rotundata; perist. rectum, acutum, intus rufum, remote albo-labiatum, marginibus approximatis; anfr.  $4\frac{1}{2}$ . — Diam. 10, alt. 5 mill. (Charp.)

*Helix rhytiphora* Charp. in Zeitschr. f. Malak. 1847. p. 134.

Habitat circa Cairo Egypti.

Obs. «Ab *H. striata* facile distinguitur testa cretacea, unicolore, striis profundioribus et distantioribus et marginibus peristomatis magis approximatis.»

Pag. 168 post lin. 46 adde: *Helix candidula* (Helicella) Charp. cat.  
p. 12. t. 4. f. 19.

- 168 - - 30 - *Helix azona* Andr. (teste Kryn.)

— *elegans* Flem.?

— *ericetorum* Nilss.? (teste Beck.)

- 168 - - 32 - *β. Major*: *Helix gratiosa* Stud. Verz. p. 46.  
teste Charp. cat. p. 12. t. 4. f. 20.

*γ?* *Helix strigatula* Hartm. in Neue Alpina I. p. 224. t. 2. f. 6.

*δ. Paulo depressior, fulvida*: *Hel. adnumerata* Parr. in sched. E Gallia meridionali.

- 169 - - 44 - *Helix costulata* Chemn. ed. II. *Helix*  
N. 364. t. 113. f. 22—25.

- 169 - - 46 - *Helix strigosula* Gmel. p. 3634. N. 72?

- 170 lin. 30 lege: *Helix cenisia* (Helicella) Charp. cat. p. 12.  
t. 4. f. 24. \*)

- 170 post lin. 32 adde: *Theba apicina* Beck ind. p. 12. N. 22.

- 170 in fine adde: \*) T. calcarea, crassa, depressa, subcarinata, superne sulcato-rugosa; perist. subincrassato; umbilico patente. (Charp. l. c.)

Pag. 171 post lin. 24 adde: *Helix cyparissias* Chemn. ed. II. Helix  
N. 363. t. 113. f. 20. 21.

- 172 - - 9 - *Helix chersonesica* Mf. (teste Villa.)

- 172 - - 39 - *Helicella albella* Risso IV. p. 168.  
N. 147? \*)

- 172 - - ult. -

444\*. *H. oxygyra* Bolssler. †

T. anguste umbilicata, lenticulari-depressa, pallide cornea, efasciata, supra subtusque eleganter albo-costulata, tenuis, nitidula; anfr.  $5\frac{1}{2}$  plani, contabulati, argute carinati: carina alba, ab infra compressa; perist. acutum, margine superiore recto, inferiore reflexiusculo, intus vix labiato. — Diam. 17, alt.  $5\frac{1}{2}$  mill. (Charp.)

*Helix oxygyra* Boiss. mss. Charp. in Zeitschr. f. Mal. 1847. p. 131.  
Habitat prope Nahr et Kelb in vicinia urbis Beirut Syriae.

Pag. 172 in fine adde: \*) T. opaca, glabra, nitida; anfr. 5 depressis, striolis transversis undulatis sculptis; epidermide alba. — Long. 0,006. (Risso l. c.)

- 174 post lin. 3 adde: *Helix scabra* (Helicella) Fér. pr. 285.

- 174 - - 19 -  $\beta$ . Major, unicolor albida: diam. maj.  $11\frac{1}{2}$  min.  $10\frac{1}{2}$ , alt.  $4\frac{1}{2}$  mill. — *Hel. siderites* Friv. teste Rossm. (Sicil.)

- 174 - - 33 -

449\*. *H. Schombrii* Scacchi.

T. mediocriter umbilicata, lenticularis, carinata, regulariter et confertim costulata, alba, fasciis corneis utrinque ornata; spira convexa, obtusa; anfr. 5 convexiusculi, ultimus antice vix descendens; carina serrulata, subtus compressa, in omnibus anfractibus suturam marginans; apertura lunato-securiformis; perist. tenue, sublabiatum, marginibus conniventibus, columellari vix reflexiusculo. — Diam. maj. 7, min.  $6\frac{1}{2}$ , alt.  $3\frac{1}{2}$  mill. (Coll. Nr. 678.)

*Helix Schombrii* Scac. test. Friv. et Rossm.

— — Chemn. ed. II. Helix N. 716. t. 119. f. 11 — 13.

Habitat in Sicilia.

Pag. 175 post lin. 2 adde: *Theba variegata* Beck ind. p. 12. N. 34.

- 176 - - 38 - *Helix Caronis* Desh. Enc. méth. II  
p. 257. tabl.

- 180 - - 4 - *Helicella elegans* Risso IV. p. 69. N. 149.

- 180 - - 11 -

465\*. *H. numidica* Moquin-Tandon.

T. umbilicata, depresso-conica, carinata, subtiliter costulato-striata, nitidula, alba; spira conoidea, apice obtusiuscula, cornea.

anfr. 6 lente accrescentes, vix convexiusculi, ultimus basi non planulatus, antice non descendens; apertura late angulato-lunaris; perist. rectum, vix labiatum, margine columellari brevi, subverticali. — Diam. maj.  $9\frac{1}{2}$ , min.  $8\frac{3}{4}$ , alt.  $5\frac{1}{2}$  mill. (Coll. Rossm.)

*Helix numidica* Moq.—Tand. mss.?

— — Chemn. ed. II. *Helix* N. 712. t. 119. f. 3. 4.

Habitat prope Constantine Algeriae (Durieu).

Obs. Persimilis *H. pyramidatae* (Nr. 415.), umbilico duplo latiore etc. diversa.

Pag. 180 post lin. 25 adde: *Helicella conica* Risso IV. p. 68. N. 148.  
et *Helicella solarium* Risso l. c. p. 70.  
N. 152? \*)

180 - - 35 - *Theba rugosiuscula* Beck ind. p. 12. N. 23?  
- 181 - - 24 - *Helix alvearis* Humphr. Mus. Calonn ?  
(Fér.)  
- 188 - - 30 - *Ochthephila paupercula* β Beck ind. p. 18.  
- 194 - - 15 -

#### 501\*. *H. coriaria* Pfr.

T. subobtecte umbilicata, depresso-globosa, solida, ruditer rugosa et subtilissime granulata, laete castanea; spira late conoidea, apice obtusa; anfr. 5 convexiusculi, ultimus antice subdeflexus; apertura rotundato-lunaris, intus submargaritacea; perist. rectum, obtusum, marginibus distantibus, columellari declivi, incrassato-reflexo, superne in laminam triangularem, umbilicum fere occultantem dilatato. — Diam. maj.  $25\frac{1}{2}$ , min. 22, alt. 17 mill. (Mus. Cuming.)

*Helix coriaria* Pfr. in Zeitschr. f. Malak. 1847. p. 145.

— — Chemn. ed. II. *Helix* N. 742. t. 120. f. 1. 2.

Habitat in insula Ceylon?

Obs. Persimilis *H. pruno* Fér. (Nr. 878), sculptura, margine peristomatis dextro simplice, columellari minus late reflexo, etc. diversa.

Pag. 195 lin. 28 lege: *H. pernobilis* Férussac. †

- 195 post lin. 33 lege: *Limax lampas* Martyn univ. Conch. III.  
t. 117. Ed. Chenu (Bibl. conch. II.)  
p. 28. t. 39. f. 4.

*Helix pernobilis* (Helicella) Fér. etc.

Habitat Pulo Condore (Martyn).

Pag. 207 post lin. 3 adde: *Helix serrula* Chemn. ed. II. *Helix* N. 744.  
t. 119. f. 21—23.

- 211 - - 3 - *Helix rangiana* Desh. Enc. méth. II.  
p. 257. tabl.

— *Rangii* Desh. ibid. p. 259. N. 133.

Pag. 212 post lin. 12 adde: *Caracollina subtilis* Beck ind. p. 28.  
N. 6?

- 217 - - 19 - *Helix albella* Costa. (teste Cantr.)
- 221 - - 11 - *Helix Philippinarum* Collect.
- 231 - - 35 - *Helix goberti* Desh. in Lam. ed. II. p. 122.  
in synon.
- 232 - - 38 - *Carocolla pyramidella* Menke syn. ed. II.  
p. 23.
- 234 - - 14 - *Helix leucorum* Jay cat. 1839. p. 47.
- 235 - - 9 - *Helix lucorum* Stud. Verz. p. 47.  
— *mutata* Hartm. in Sturm's Fauna.
- 236 - - 24 - *Helix dalmatica* Mlf. et *obtusalis* Zgl.  
(teste Menke.)
- 236 lin. 36 adde: *Helix bessarabica* et *interposita* Zgl., *Coen-*  
*toria bessarabica* et *interposita* Held?
- 237 post lin. 9 adde: Obs. Variat testa carneo-fuscescente unicolore  
vel fasciis 2 — 3 latis fuscis ornata, praeterea  
spira, plerumque pallida, magis minusve co-  
nice elevata. Saepe etiam striae confertae spi-  
rales adsunt.
- 240 - - 37 - *Helix decussata* Parr. } teste Beck.  
— *interposita* Mlf. }
- 241 - - 27 - — *varians* Zgl. teste Menke.
- 241 - - 27 - *Helix aspersa* (Cryptomphalus) Charp.  
cat. p. 6
- 241 - - 38 - *Helix vulgaris* Costa.
- 242 - - 19 - *Helix retirugis* Menke syn. ed. II. p. 44.
- 242 - - 24 - *Helix mazzulii* Jay cat. 1839. p. 47.
- 249 - - 9 -

β. T. tenui, striata, subtiliter pustulosa, corneo-virescente, apice violaceo-rubra, anfractu ultimo cingulo 1 peripherico castaneo et adjacente latiore epidermidis albae hydrophanae ornato: diam. maj. 39, min. 31, alt. 27 mill. (Mus. Cuming.)

*Helix speciosa* var. Chemn. ed. II. *Helix* t. 149. f. 19. 20.

Pag. 252 lin. 25 lege: nigricantibus pro negr.

- 267 post lin. 5 adde: *Helicogena sarcostoma* Beck ind. p. 39.  
N. 14.
- 268 - - 19 - *Helix solida* Menke olim in litt.
- 271 - - 21 - *Helix navarinensis* Gray olim. (Beck.)
- 273 - - 12 - *Helix Campani* Cujus? (Anton.)
- 273 - - ult. - *Helicogena vermiculata* Beck ind. p. 38.  
N. 3.
- 276 - - 11 - *Helicogena austriaca* Beck ind. p. 38.  
N. 6.
- 276 - - 36 - *Helix nemoralis* (Cryptomphalus) Charp.  
cat. p. 7.
- 277 - - 18 - *Helix fusca* Poir. p. 74.

Pag. 277 lin. 34 lege: *Helicogena libellula* Risso IV. p. 62. N. 134.  
t. 3. f. 24. \*)

- 277 in fine adde: Obs. 2. *Helix fuscescens* Gmel. p. 3689. N. 174 (testa rotundata subumbilicata, tenui: apertura semidunari. Schrot. Erdoonch. t. 4. f. 44.) ex pullis *H. nemoralis* constituta videtur.

\*) *T. subrotunda*, diaphana, citrina, anfr. 6 rugulosis, striolis transversis, flexuosis sculptis; peritremate rubro-violaceo. — Long. 0,022. (Risso l. c.)

Pag. 278 post lin. 42 adde: *Helix sylvatica* (Cryptomphalus) Charp.  
cat. p. 6. t. 4. f. 3.

- 278 - - 47 - *Helicogena imperfecta* Risso IV. p. 62. N. 135 ? \*)

- 278 in fine adde: \*) *T. nitidissima*, glaberrima, anfr. 6, striolis irregularibus transversis flexuosis sculptis; epidermide flavescente, fasciis punctorum ferrugineorum imperfectorum compositis ornata. — Long. 0 046. — Prope Nizza. (Risso l. c.)

- 279 post lin. 40 adde: *Helix solitaria* Prumm.?  
*Helicogena marmorata* Beck ind. p. 40. N. 24.

- 280 - - 42 - *Helicogena melitensis* Beck ind. p. 39. N. 14.

- 284 - - 35 - *Helix chrysomela* Chemn. ed. II. *Helix*  
N. 709. t. 143. f. 6—8.

- 284 - - 36 - Obs. Hanc speciem Cl. Moquin-Tandon nuper communicavit Küstero sub nomine *Hel. oenostomae* Lowe e Portosancto.

- 282 lin. 49. deletur: a ante Beck.

- 282 post lin. 24 adde: *Helicogena sphaeroidea* Beck ind. p. 39. N. 40.

- 283 - - 9 - *Helicogena candidissima* Risso IV. p. 64. N. 134.

- 283 - - 20 - ζ planispira: *Hel. instita* Crist. et Jan. (teste Beck.)

- 283 - - 35 - *Helix Raspalii* Desh. in Euc. méth. II. p. 224. N. 47.

- 284 - - 20 - *Helicogena Alonensis* Beck ind. p. 38. N. 4.

- 284 - - 33 - *Helicogena guttata* Beck ind. p. 44. N. 29.

- 285 - - 35 - *Helicogena splendida* Risso IV. p. 64. N. 132.

- 286 - - 49 - *Helicogena serpentina* Beck ind. p. 40. N. 23.

- 287 lin. 8 lege: *Helicogena rugulosa* Risso IV. p. 64. N. 139 ? \*)

- 287 post lin. 9 adde: *Helicogena muralis* Beck ind. p. 40. N. 20.

- 287 - - 30 - *Helicogena globularis* Beck ind. p. 39. N. 16.

- 289 - - 5 - *Helix carsoliama* Chemn. ed. II. *Helix*  
N. 744. t. 143. f. 44. 42.

- Pag. 290 in lin. 13 adde: Ed. Chenu (Bibl. conch. III.) p. 24. t. 3. f. 3 et 3 a.
- 294 - - 47 - Ed. Chenu (Bibl. conch. III.) p. 48. t. 13. f. 2.
  - 292 post lin. 32 adde: *Curacolla lampas* Beck ind. p. 32. N. 12.
  - 293 lin. 12 lege: *Helix Gualtierana* Linn. syst. ed. X. p. 770. N. 586. Ed. XII. etc.
  - 293 post lin. 24 adde: *Limax scaber* Martyn univ. Conch. III. t. 149. Ed. Chenu (Bibl. conch. II.) p. 28. t. 40. f. 2.
  - 296 - - 2 - *Carocolla carmelita* Jay cat. 1839. p. 54.
  - 303 - - 19 - *Stylodon unidentata* Beck ind. p. 46.
  - 318 in lin. 7 adde: Ed. Chenu (Bibl. conch. III.) p. 48. t. 13. f. 2 a.
  - 320 post lin. 7 adde:  $\gamma$ . Sinistrorsa: *Helix sinistrorsa* Wood suppl. t. 7. f. 60?
  - 324 - - 39 -

847\*. *H. japonica* Pfr.

T. umbilicata, trochiformis, tenuis, striata, epidermide corneo-straminea induta; spira convexo-conoidea, apice obtusiuscula; anfr.  $5\frac{1}{2}$ , subplani, ultimus carinatus, antice vix descendens, basi vix convexus, juxta umbilicum angustum, pervium compressus; apertura obliqua, sinuato-lunaris; perist. tenue, breviter expansum, margine dextro arcuato, basali strictiusculo. — Diam. maj. 18, min. 16, alt. 12 mill. (Mus. Cuming.)

*Helix japonica* Pfr. in Zeitschr. f. Malak. 1847. p. 146.

— — Chemn. ed. II. *Helix* N. 740. t. 149. f. 17. 18.

Habitat in Japonia.

- Pag. 330 post lin. 23 adde: *Helix cornu venatorium*  $\beta$  Gmel. p. 3644.
- 335 - - 33 - *Helix pallida* Rang in Mus. Paris.
  - 336 - - 35 - *Bradybaena addita* Beck ind. p. 18. N. 2.
  - 338 - - 14 - *Helix Findelii* et *illustris* Ziegl. Mus.
  - 340 - - 16 - *Cingulifera arbustorum* Held in Isis 1837. p. 911.
  - 340 - - 20 - *Helix aberrata* Ziegl. teste Villa disp. p. 11.
  - 340 - - 30 - *Arianta Xatartii* Beck ind. p. 41. N. 2.
  - 340 - - 34 - *Helix alpinula* Hartm. } in sched.
  - - - - *alpicola* Stentz }
  - 345 in lin. 19 adde: Ed. Chenu (Bibl. conch. III.) p. 22. t. 3. f. 3 b. c.
  - 346 post lin. 27 adde: *Corneola Pouzolzi* Held in Isis 1837 p. 912.
  - 347 in lin. 24 lege: *Simillima* H. *hispanae* L. (loco planospirae.)
  - 347 lin. 25 lege: 906. *H. hispana* Linn.

Pag. 347 post lin. 30 deletur tota synonymia et legatur:

*Helix hispana* Linn. syst. ed. X. p. 772. N. 599. \*) teste Beck.

— — Gmel. p. 3636. N. 84.

— — Chemn. ed. II. *Helix* N. 482. t. 80. f. 1—3.

— *zonata* C. Pfr. III. p. 49. t. 5. f. 7. 8.

— — var. *Fér.* hist. t. 68. f. 10. (fig. dextra et sinistra.)

— *vittata* Crist. et Jan catal. N. 107.

— *planospira* Rossm. II. p. 3. f. 90. VIII. p. 30. f. 503.

— *umbilicaris* Brunati Monfalc. p. 28.

*Campylaea Hispana* Beck ind. p. 25. N. 20.

*Corneola planospira* Held in Isis 1837. p. 912.

β. Minor: diam. maj. 23, min. 19, alt. 10 mill. (Spec.)

*Helix zonata* var. *romana* *Fér.* hist. t. 69 A. f. 4?

γ. Albina, vitrea absque fascia:

*Helix hispana* var. *Chemn.* l. c. t. 80. f. 4.

Habitat . . . (sicut antea.)

Pag. 347 in fine adde: \*) T. umbilicata convexa: anfractibus 5 teretibus, umbilico tenui. — Habitat in Europa australi. Testa colore corneo. (Linn. l. c.)

- 348 post lin. 19 adde: *Helix calabriensis* Jan?

- 348 - - 24 - *Campylaea cryptozona* Beck ind. p. 25. N. 24.

*Corneola cryptozona* Held in Isis 1837. p. 912.

- 348 - - 27 -

#### 907°. *H. planospira* Lamarck.

T. anguste umbilicata, solida, depressa, striatula, virenti-cornea; spira parum elevata, obtusa; anfr. 5 vix convexiusculi, ultimus supra medium cingulo 1 rufo, deorsum pallide marginato ornatus, antice lente descendens; apertura lunari-rotundata, parum obliqua; perist. albo-labiatum, marginibus remotis, dextro parum expanso, basali breviter reflexo, columellari dilatato. — Diam. maj. 22, min. 18½, alt. 11 mill. (Coll. Kuster.)

*Helix planospira* Lam. 48. p. 78. ed. Dh. p. 48.

— — *Mich.* compl. p. 36. t. 14. f. 3. 4.

— — *Desh.* in *Encycl. méth.* II. p. 212. N. 43.

— — *Desh.* in *Fér.* hist. p. 23?

— — *Chemn.* ed. II. *Helix* N. 707. t. 113. f. 1—3.

*Campylaea planospira* Beck ind. p. 25. N. 15.

Habitat in Italia boreali et Gallia meridionali.

Obs. Species intermedia inter *Hel. hispanam* L. et *zonatam* Stud., nec non accedens ad *H. macrostomam* Mll. Umbilicus multo angustior, spira magis elata, apertura minus obliqua, magis rotundata et peristoma brevius reflexum, quam in *hispana* et *macrostoma*. Ab *H. zonata* differt testa solida, depressa, marginibusque peristomatis minus convergentibus.



- |          |              |          |  |
|----------|--------------|----------|--|
| Pag. 348 | post lin. 38 | adde:    | <i>Helix hirsuta</i> Ziegl. olim.  |
| - 349    | - - 44       | -        | <i>Helix deplana</i> Ziegl.  |
| - 350    | - - 28       | -        | <i>Campylaea insubrica</i> Beck ind. p. 24. N. 10.   |
| - 352    | - - 44       | -        | <i>Helix insolida</i> Parr. (teste Anton.)   |
| - 353    | lin. 3       | lege: et | <i>fumigata</i> Friv.  |
| - 353    | post lin. 4  | adde:    | <i>Helix Langiana</i> Quorund.   |
| - 355    | - - 36       | -        | <i>Corneola ichthyomma</i> Held in Isis 1837.<br>p. 912.   |
| - 359    | - - 36       | -        | <i>Helix citrinula</i> Ziegl. olim.<br>— <i>fascelina</i> Ziegl. (Anton.)<br><i>Campylaea faustina</i> Beck ind. p. 25. N. 22. |
| - 359    | - - 39       | -        | <i>Corneola associata</i> Held in Isis 1837<br>p. 912.   |
| - 360    | - - 24       | -        | <i>Helix Farinesi</i> Villa olim. (Disp. p. 46.)   |
| - 365    | - - 38       | -        | <i>Circinaria minuta</i> Beck ind. p. 23. N. 2.  |
| - 367    | - - 9        | -        | <i>Campylaea denudata</i> Beck ind. p. 26.<br>N. 32.   |
| - 372    | - - 6        | -        | <i>Linax serpens</i> Martyn univ. Conch. III.<br>t. 120. Ed. Chenu (Bibl. conch. II.) p. 28.<br>t. 40. f. 3.                   |
| - 373    | - - 1        | -        | <i>Solaropsis heliaca</i> Beck ind. p. 27. N. 1.   |
| - 382    | - - 21       | -        | <i>Tridopsis profunda</i> Beck ind. p. 23. N. 15.  |
| - 383    | - - 34       | -        | <i>Helix bahamensis</i> Chemn. ed. II. Helix<br>N. 357. t. 44. f. 7—9.   |
| - 386    | - - 29       | -        | <i>Helix fasciolata</i> Lesson.  |
| - 392    | - - 1        | -        | <i>Solaropsis Moricandi</i> Beck ind. p. 27. N. 2?   |
| - 393    | - - 40       | -        | <i>Ampeleta cysteria</i> Beck ind. p. 30. N. 2.  |
| - 402    | - - 2        | -        | <i>Pleurodonta soror</i> Beck ind. p. 33. N. 6.  |
| - 402    | - - 35       | -        | <i>Carocolla gallina</i> Cuming in sched.  |
| - 407    | - - 27       | -        | <i>Helix Rivolii</i> Chemn. ed. II. Helix N. 705.<br>t. 412. f. 16—49.   |
| - 408    | - 25         | -        | <i>Helix heligmoidea</i> Chemn. ed. II. Helix<br>N. 744. t. 120. f. 3—6.   |
| - 414    | - - 6        | -        | <i>Helix obvoluta</i> $\beta$ Müll. l. c. (teste Beck.)  |

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